The Johns Hopkins University

CONFERRING OF DEGREES

AT THE CLOSE OF THE

116TH ACADEMIC YEAR

MAY 21, 1992

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The Johns Hopkins University • Homewood Campus • Baltimore, Maryland 21218

Office of The Registrar
75 Garland Hall

July 29, 1992

For those who use the Commencement Program as an official record of the awarding of degrees, please note the following changes to the 1992 Commencement Program:

1. Bachelor of Arts (Arts and Sciences) pages 22-25

Add: John Jourdan Duryee
Stephen Milt

Delete: Gregory Everett Dawson
Craig Steven Dubois
Bradley R. Fravel
Erika Fay Horsey
Kyong Ho Kim
Noel Marie Lavallee
William Neil Mehl
Lyle Roberts
Jeffrey M. Wills

2. Bachelor of Science in Biomedical Engineering (Engineering) page 25

Delete: Alfred Francis Faust
Ailsa Therese Cecile Fitzwilliam

3. Bachelor of Science in Mechanical Engineering (Engineering) page 26

Delete: Matthew David Fisher
Lars Hondorf
Rachel Marie Renick

4. Bachelor of Arts (Engineering) page 26

Add: Christopher Michael Coleman

Delete: Brenda Helen Yoo

5. Performer's Certificates (Peabody) page 27

Delete: Stephen R. Turley

6. Bachelor of Music (Peabody) page 27

Revise: David Yi-Loong Gan. Violin. (Delete Recording Arts and Sciences)

7. Bachelor of Science (Nursing) page 27-28

Delete: Michelle Lynn Briggs

7. Bachelor of Science (Nursing), continued

Accelerated Programs

Revise: Tuncay Halil Dantzler
Jo Ellen Huesken
Jennifer Ann Lietman

8. Master of Science (Continuing Studies) pages 29-36

Add: Patricia Lyons Brasile; B.A. Seton Hill College, 1984. Applied Behavioral Science.
Adriana Bravo-Gonzalez; Bachelor, Universidad Autonoma De Centro Amenca, 1987; Licenciate, 1989. Human Resources/Organizational Development.
Donna Marie Humphreys. Education.
Anne-Marie Gibson Kanwisher; B.F.A. Maryland Institute of Art, 1980. Education.
Anne Elizabeth Ingram. Education.
George Allyn Schlegel; B.S. University of Maryland, 1989. Management.

Delete: Linda Diane Block
Catherine Anne Fleishman
Todd Joseph LePage
Hazel Bryant Mayers
David Floyd Orr
Joan Patricia Snyder

9. Master of Liberal Arts (Continuing Studies) pages 36-37

Add: Roxie Lee Johnson

Delete: Beryl Rabinowitz Gottesman
Melinda Anne Smith

10. Master of Arts in Teaching (Continuing Studies) page 37

Delete: Anne-Marie Gibson Kanwisher

11. Master of Administrative Science (Continuing Studies) pages 37-42

Add: Laura Ann Kress; B.S.N. West Chester University, 1981. Management.
Todd LePage; B.A. Susquehanna University, 1987. Information Technology.
Charles Anthony Long; B.S.E.E. The Johns Hopkins University, 1982. Management.

Change: Jennifer Ann Fink (listed as Mariner)

Delete: Ivette Droz

12. Master of Science (Nursing) page 42

Delete: Barbara Butler Adams
Lisette K. Bunting
Kathleen Paolini
Laura Sessions
Mary E. Tlasek Wolfson

13. Graduate Performance Diploma (Peabody) page 42

Delete: Christopher Charles Claytor

14. Master of Music (Peabody) page 43

Add: Sheronda Lynn Reaves; B.M. Howard University, 1989. Voice.
Camelia J. Warrender; B.A. University of Chicago, 1987. Piano: Ensemble Arts.

Delete: Diana Chiang

Revise: Christopher James Mandra - Electronic and Computer Music and Composition.

15. Master of Public Health (Hygiene and Public Health) pages 45-49

Add: Jane Stillabower

16. Master of International Public Policy (Advanced International Studies) page 49

Add: Claudete Camarano; B.A. Universidade Catolica de Minas Gerais, 1976.

Delete:
Robert E. Lee, Jr.
Lidia Maruyama
Takeshi Saito
Christopher K. Schroeder
Dalena Wright

17. Master of Arts in International Affairs (Advanced International Studies) page 49

Delete: Adrian Westlake

18. Master of Arts (Advanced International Studies) pages 49-52

Add: Hala Selim Al-Azar; B.A. American University of Beirut, 1988.
Johanna Koolemans-Beynen; B.S. Georgetown University, 1986.
Kirsten Anne Michener; B.A. University of Pennsylvania, 1988.
John J. Moss; B.A. Sarah Lawrence College, 1984.

Delete:
Scott Erik Anderson
Christopher B. Banks
Claudio Bardella, Jr.
Ernest R. Bates
Mark Douglas Belcher
Stacye Monique Brown
Katherine Ann Byse
Deborah S. Carr
Mary Lavina Evans Catlin
Yong Shik Choo
Geoffrey Michael Christian
Heather D. Coryell
Marta Costanzo
Peter G. Lacy
Alex Tsan-Sang Lsu
James Harris McCall, Jr.
James J. Potts
Jennifer L. Reingold
Michael David Richter, Jr.
Michael J. Ross
Anne Viviane Russell
Katherine E. Schneider
Marguerite Kerr Schrenk
Douglas Brad Silverstein
Aurora Medina Siy
Maria C. Stephens

18. Master of Arts (Advanced International Studies), continued

Delete:
Jane A. Dietze
Luigi Giovine
Anne C. Hambleton
LaShawn R. Jefferson
Victor Tanner
Ellen Elizabeth Thalman
Carl Phleaux Williams
Ahmet Cuneyt Yavuz

19. Master of Science (Engineering) pages 53-65

Add:
Barbara Lynn Boardman-Pavao; B.S.C.S. University of Kentucky, 1984. Computer Science.

C. Brian Rexroad; B.S.E.E. Pennsylvania State University, 1986. Electrical Engineering.

Delete:
David Michael Gill
Jessica Kyung Kim
James Martin Kraegel
Stephen Y. Liu
Richard Timothy Lopez
Joseph W. Whitacre, Jr.

20. Master of Arts (Arts and Sciences) pages 67-70

Delete:
Joseph George Eaton
Scott David Schuh

21. Doctor of Education (Continuing Studies) page 71

Revise:
Craig Stephen Cummings - "Using Curriculum-Based Assessment to Increase Rates of Social Studies Skill Acquisition in Secondary-Level Students with Learning Disabilities"

Carol Collins Larson - "The Effect of a Cognitive-Behavioral Education Program on Academic Procrastination"

Patricia Ann Martin - "A Case Control Study of ACOA Problems in an Employee Assistance Program"

Laura Whiteford Merkle - "The Relative Effects of a Drawing and Gestural Cued Method of Early Reading Instruction on the Emerging Literacy Skills of Primary Age Children with Mild to Moderate Retardation"

Lisa Schoenbrodt - "The Effects of Parent Training on the Generalization and Maintenance of Clinically Developed Self-Control Skills with Children Who Have Attention Deficit Disorder"

Diana Frey Zilahy - "The Effects of Relaxation Training on Anxiety, Verbal Ability, and Reading Achievement Measures of Fifth Grade Students"

22. Doctor of Philosophy (Arts and Sciences) pages 78-82

Add:
Alouette Kluge Melton. Political Science. Intervention and the Reagan Doctrine.

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Order of Events 1

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Order of Procession

Marshals

Stephen R. Anderson
Leah K. Bonovich
Robert C. Cammarata
Michael T. Goodrich
H. Franklin Herlong
Robert H. Kargon
Bonnie J. Lake
Paul R. McHugh
Paula M. Niedenthal
Nancy R. Norris
Peter B. Petersen
DeanW. Robinson
W. Mark Saltzman
Edyth H. Schoenrich
Elam Ray Sprenkle
Stephen F. Szabo

The Graduates

Marshals

Martin R. Ramirez
Katherine M.Verdery

The Faculties

Marshals

Andreas G. Andreou
Bruce D. Marsh

The Deans
Members of the Society of Scholars
Officers of the University
The Trustees

Chief Marshal

Charles F. Doran

The Vice President of the Johns Hopkins University Alumni Association
The Chaplains
The Faculty Presenter of the Doctoral Candidates
The Milton S. Eisenhower Medal Recipient
The Honorary Degree Candidates
The Provost of the University
The Vice Chairman of the Board of Trustees
The Prime Minister of Canada
The President of the University

Order of Events

William C. Richardson
President of the University, presiding

Prelude

Suite from the *American Brass Band Journal*
G.W.E. Friederich (1821–1885)
Suite from *Funff—stimmigte blasenda Music*
Johann Pezel (1639–1694)

Processional

The audience is requested to stand as the Academic Procession moves into the area and to remain standing after the Invocation

Festival Marches

from *Belshazzar*, *Flioridante*, *Ezio*, *Saint Cecilia's Day*, *Rinaldo*, *Scipione and Judas Maccabaens*
Georg Friedrich Handel (1685–1759)

The President's Procession

Fanfare
Walter Piston
(1894–1976)

Grand Entrée from *Alceste*
Georg Friedrich Handel
(1685–1759)

Invocation

Gretchen van Utt
Chaplain
The Johns Hopkins University

The National Anthem of Canada
The National Anthem of the United States of America

Greetings

Benjamin R. Civiletti
Vice Chairman of the Board of Trustees

Greetings

John M. Brickman
Vice President, The Johns Hopkins University Alumni Association

Presentation of New Members of The Society of Scholars

Marvin B. Becker
Anthony J. Bron
Lincoln C. Chen
Mary Allen Engle
Melvin H. Epstein
Thomas P. Fehlner
John F. Foss
Stephen C. Joseph
James Roderick Jude
Otto F. Kernberg
Kunio Okuda
Emmanuel T. Sarris
Antonio Ramirez de Verger
Samuel S.C. Yen

Scholars Presented by Joseph Cooper
Provost of the University

Musical Interlude

Fanfare for the Common Man
Aaron Copland
(1900–1990)
The Festival Brass
Ellery B. Woodworth, Conducting

Presentation of the Milton S. Eisenhower Medal

Robert D. H. Harvey

Conferring of Honorary Degrees

Robert M. Heyssel
Abraham Horwitz
Lee A. Iacocca
C. Everett Koop
Zanvyl W. Krieger
Michel L. L. Rocard

Address

Brian Mulroney
The Prime Minister of Canada

Conferring of Degrees on Candidates

Bachelors of Arts

Presented by
Lloyd Armstrong, Jr.
Dean, School of Arts and Sciences
Bachelors of Science in Biomedical Engineering
Bachelors of Science in Chemical Engineering
Bachelors of Science in Civil Engineering
Bachelors of Science in Computer Science
Bachelors of Science in Electrical Engineering
Bachelors of Science in Materials Science and Engineering
Bachelors of Science in Mathematical Sciences
Bachelors of Science in Mechanical Engineering
Bachelors of Arts
Bachelors of Civil Engineering
Bachelors of Electrical Engineering
Bachelors of Mechanical Engineering

Presented by
V. David VandeLinde
Dean, G.W.C. Whiting School of Engineering

Performer's Certificates
Bachelors of Music

Presented by
Robert O. Pierce
Director, Peabody Conservatory of Music

Bachelors of Science

Presented by
Carol J. Gray
Dean, School of Nursing

Associates of Science
Bachelors of Liberal Arts
Bachelors of Science

Presented by
Stanley C. Gabor
Dean, School of Continuing Studies

Masters of Science
Masters of Liberal Arts
Masters of Arts in Teaching
Masters of Administrative Science
Certificates of Advanced Study

Presented by
Stanley C. Gabor
Dean, School of Continuing Studies

Masters of Science

Presented by
Carol J. Gray
Dean, School of Nursing

Graduate Performance Diplomas
Masters of Music
Artist Diplomas

Presented by
Robert O. Pierce
Director, Peabody Conservatory of Music

Masters of Science
Masters of Health Science
Masters of Public Health

Presented by
Alfred Sommer
Dean, School of Hygiene and Public Health

Masters of International Public Policy
Masters of Arts in International Affairs
Masters of Arts

Presented by
George R. Packard
Dean, Paul H. Nitze
School of Advanced International Studies

Masters of Arts

Presented by
Michael E. Johns
Dean, School of Medicine

Masters of Chemical Engineering
Masters of Civil Engineering
Masters of Environmental Engineering
Masters of Materials Science and Engineering
Masters of Mechanical Engineering
Masters of Science
Masters of Science in Engineering
Masters of Arts

Presented by
V. David VandeLinde
Dean, G.W.C. Whiting School of Engineering

Masters of Arts

Presented by
Lloyd Armstrong, Jr.
Dean, School of Arts and Sciences

Doctors of Education

Presented by
Stanley C. Gabor
Dean, School of Continuing Studies

Doctors of Musical Arts

Presented by
Robert O. Pierce
Director, Peabody Conservatory of Music

Doctors of Science
Doctors of Public Health
Doctors of Philosophy

Presented by
Alfred Sommer
Dean, School of Hygiene and Public Health

Doctors of Philosophy

Presented by
George R. Packard
Dean, Paul H. Nitze
School of Advanced International Studies

Doctors of Medicine
Doctors of Philosophy

Presented by
Michael E. Johns
Dean, School of Medicine

Doctors of Philosophy

Presented by
V. David VandeLinde
Dean, G.W.C. Whiting School of Engineering

Doctors of Philosophy

Presented by
Lloyd Armstrong, Jr.
Dean, School of Arts and Sciences

Statement to the Graduates

William C. Richardson
President of the University

Benediction

Rabbi Joseph Katz
Rabbi for the Johns Hopkins University Homewood Campus

Recessional

March
C.P.E.Bach
(1714–1788)

March from *LeNozze di Figaro*
Wolfgang Amadeus Mozart
(1756–1791)

The audience is requested to remain standing after the Benediction until the principals, officials, members of the faculties, and the graduates have left the area.

Divisional Diploma Ceremonies Information

The Arts and Sciences Masters Diploma Reception will be held immediately following Commencement in the Great Hall of the Union Building. Recipients of Ph.D. degrees from Arts and Sciences and their guests are welcome.

The Engineering Masters Diploma Award Ceremony was held last evening.

The Arts and Sciences and Engineering Undergraduate Diploma Award Ceremony will be held at 2:30 p.m. this afternoon on the Keyser Quadrangle.

The Paul H. Nitze School of Advanced International Studies Diploma Award Ceremony will be held at 3:00 p.m. this afternoon at the First Baptist Church of the City of Washington, 16th and "O" Streets, N.W., followed by a reception at the Nitze School.

The School of Hygiene and Public Health Diploma Award Ceremony was held last evening.

The School of Medicine Diploma Award Ceremony will be held in Turner Auditorium at the School of Medicine at 3:00 p.m. this afternoon.

The School of Nursing Diploma Award Ceremony will be held in the Wood Basic Science Building Auditorium at the School of Medicine at 4:00 p.m. today.

The Peabody Conservatory's Diploma Award Ceremony will be held in the Miriam A. Friedberg Hall at 8:00 p.m. this evening.

The Johns Hopkins Society of Scholars

The Johns Hopkins Society of Scholars was created on the recommendation of President Milton S. Eisenhower and approved by the University Board of Trustees on May 1, 1967. The society—the first of its kind in the nation—inducts former postdoctoral fellows and junior or visiting faculty at Johns Hopkins who have gained marked distinction in their fields of physical, biological, medical, social, or engineering sciences, or the humanities, and for whom at least five years have elapsed since their Hopkins affiliation. The Committee of the Johns Hopkins Society of Scholars, whose members are equally distributed among the academic divisions, elects the scholars from the candidates nominated by the academic divisions having programs for postdoctoral fellows. The scholars are invested at the time of Commencement, Commemoration Day, or a similar occasion. At that time, they are presented with a diploma and with a medallion on a black and gold ribbon, to be worn with their academic costumes.

Today, we honor 14 new inductees, invested at a ceremony last evening, who bring the society's membership to 281. They are:

Dr. Marvin B. Becker
Ann Arbor, Michigan

A distinguished historian, Dr. Becker has made outstanding contributions to Italian Renaissance history and, through the application of anthropological insights and methods, to the theory and methodology of history in general. In his seminal volumes entitled *Florence in Transition*, he depicted broad economic, social, and political structures and processes in early Renaissance Florence.

Dr. Anthony J. Bron
Oxford, England

Dr. Bron is an acknowledged world expert on corneal dystrophies and infections, cataract morphogenesis and pathogenesis, and other ocular diseases. He is only the second full professor of ophthalmology in Oxford University's long history. His work was recently recognized by a prize from the Alcon Research Institute, one of the highest international honors in investigative ophthalmology.

Dr. Lincoln C. Chen
Cambridge, Massachusetts

Dr. Chen has published numerous papers on his work in Bangladesh with the Ford Foundation that have added fundamental knowledge about the epidemiology and control of diarrheal diseases and about the interrelationships among malnutrition, morbidity, and mortality. A worldwide search led to his appointment as the first Taro Takemi Professor of International Health at Harvard University.

Dr. Mary Allen Engle
New York, New York

Dr. Engle's research at Cornell University and New York Hospital has contributed richly to the field of pediatric cardiology, with special application to the selection of children for cardiac surgery and follow-up after surgery. She holds the Stavros S. Niarchos Professorship of Pediatric Cardiology at New York Hospital. In 1991, she received the institution's Maurice R. Greenberg Distinguished Service Award.

Dr. Melvin H. Epstein
Providence, Rhode Island

While on the neurosurgical faculty at The Johns Hopkins Hospital, Dr. Epstein carried out laboratory studies that have done much to increase the body of knowledge of the secretory process of human spinal fluid. His work delineating the second messenger of spinal fluid production in the choroid plexus is a classic paper in the field. He is now professor and chairman of neurosurgery at Brown University School of Medicine.

Dr. Thomas P. Fehlner
Notre Dame, Indiana

An internationally recognized authority on boron hydride chemistry, Dr. Fehlner began his research in that field while he was a postdoctoral fellow at Johns Hopkins. He has lectured on the subject at universities across the world. In recent years, he has shifted his research emphasis to synthetic inorganic chemistry and continues his research as professor of chemistry at the University of Notre Dame.

Dr. John F. Foss
East Lansing, Michigan

Dr. Foss is a widely known experimentalist in fluid mechanics and has developed novel methods for the improvement of measurement of turbulent flows. He has also made major contributions to undergraduate mechanical engineering education and developed an excellent laboratory course in fluid dynamics at Michigan State University. His approach and specific exercises have been adopted by a number of other universities.

Dr. Stephen C. Joseph
Minneapolis, Minnesota

Dr. Joseph has a distinguished career as both a scholar and active investigator in the field of public health. Among other important contributions, his work has helped combat the AIDS epidemic in New York. He has served in numerous government posts, including that of deputy assistant administrator for the U.S. Agency for International Development. He is currently dean of the School of Public Health and a professor at the University of Minnesota.

Dr. James Roderick Jude
Miami, Florida

After training under Dr. Alfred Blalock, Dr. Jude continued the tradition of major advances in cardiovascular surgery and related areas, making especially important contributions to the development of closed chest cardiac massage and electrical defibrillation of the heart. In addition to a distinguished career in surgery, he is clinical professor of surgery at the University of Miami School of Medicine.

Dr. Otto F. Kernberg
White Plains, New York

An internationally recognized investigator and clinician in the field of psychiatry, Dr. Kernberg trained at Johns Hopkins with Dr. Jerome Frank and is currently associate chairman and medical director of New York Hospital Cornell Medical Center, Westchester Division. His work has earned him numerous awards, including, in 1990, the first Mary S. Sigourney Award for Distinguished Contributions in Psychoanalysis.

Dr. Kunio Okuda
Chiba, Japan

Dr. Okuda's interest in biochemistry was stimulated by work at Johns Hopkins on the physiological properties of vitamin B-12. His research resulted in several papers on the importance of this vitamin during pregnancy and on its interaction with the "intrinsic" factor present in gastric juices that is necessary for the absorption of the vitamin into the bloodstream. He is now professor emeritus at Chiba University Medical School.

Dr. Emmanuel T. Sarris
Xanthi, Greece

As a member of the European Science Foundation's Committee of Space Research, Dr. Sarris has played a leading role in planning the European space program. As professor of electrodynamics at the University of Thrace, he has greatly broadened the university's role in space science. He was recently appointed director of the Institute for Ionospheric and Space Physics at the Athens Observatory, the principal organization in Greece for space research.

Dr. Antonio Ramirez de Verger
Seville, Spain

Dr. de Verger's studies of classical authors have led to the publication of a number of outstanding scholarly works, including a critical edition of Ovid's *Amores* on which he began work while a visiting professor at Johns Hopkins. He has not only edited ancient authors, but also worked on late medieval texts that were of great importance for the voyages of discovery that ultimately led to the discovery of America.

Dr. Samuel S.C. Yen
La Jolla, California

An internationally known expert in neuroendocrinology, Dr. Yen is co-author of a text, *Reproductive Endocrinology*, which is considered a classic in its field and is now in its third edition. He is professor of reproductive medicine, director of the Division of Reproductive Endocrinology, and holder of the W.R. Persons Chair in Reproductive Medicine at the University of California at San Diego.

The Milton S. Eisenhower Medal for Distinguished Service

Citation Read by
Benjamin R. Civiletti
in Presenting
Robert D. H. Harvey
for the Milton Stover Eisenhower Medal for Distinguished Service
May 21, 1992

In advance of your 50th reunion this spring at another alma mater of yours, Princeton University, you wrote your classmates that the child and the 70-year-old have much in common. "When I grow up," you said, "I want to be a fifth-grader."

Given everything else you have accomplished in life, we would not be terribly surprised if you did manage to reverse the course of time.

You have been a leader in the Maryland business community for more than 40 years. For more than two decades, you served as chief executive officer of the state's largest banking company, shepherding it through years of tumultuous change in the financial industry.

But business is by no means your only business. You have devoted yourself unstintingly to your native city and state, and to the people who reside in them.

You have provided distinguished leadership to so many of the institutions that make Maryland work, among them the Peabody Institute, The Johns Hopkins Hospital, Francis Scott Key Medical Center, and the Maryland Academy of Sciences. And, of course, you have been a devoted member of the Board of Trustees of this university since 1959, serving as its energetic chairman from 1968 to 1984, a period of enormous growth, stress and change, both at Johns Hopkins and at other research universities throughout the nation.

Your election by the trustees just last month to the position of trustee emeritus recognizes your boundless commitment, dedication, and devotion to Johns Hopkins and the high esteem in which you are held in the University family.

Robert D. H. Harvey, alumnus, trustee, eminent citizen, The Johns Hopkins University is proud to count you as one of its own and to confer upon you the Milton Stover Eisenhower Medal for Distinguished Service.

Honorary Degree Citations

Citation Read By
Michael E. Johns
in Presenting
Robert M. Heyssel
for the Degree of Doctor of Humane Letters
May 21, 1992

The highlights of your tenure at The Johns Hopkins Hospital frame an extraordinary career and an adventurous ride through two turbulent decades of academic medicine in a hospital consistently in the nation's top ranks. You never slowed your pace.

As a physician, executive, strategist, community leader, and teacher, you have made an impact on every single one of the most pressing health care issues of our time, from soaring health care costs to the training of young physicians. You've led or served on almost every national commission charged with nurturing the nation's

1,400 teaching hospitals. You have guided what one news organization last year called the nation's best hospital, and were lauded yourself by another as one of the nation's top health care leaders. Not bad for a self-described Missouri "country boy."

On your watch, Hopkins Hospital has been nearly rebuilt and the old Baltimore City Hospitals re-emerged as Francis Scott Key Medical Center at The Johns Hopkins Bayview Research Campus. We also salute you for establishing improved relationships between the East Baltimore community and the Johns Hopkins Medical Institutions.

There are few leaders of your stature in academic medicine today. You have never hesitated to talk about the issues and problems of the rapidly changing health care delivery system and their impact on American hospitals. As a distinguished health policy expert, you have played a pivotal role in redefining the mission of the academic medical center of the 21st century. Johns Hopkins is the beneficiary of your wisdom and vision as chief architect of a sophisticated and diverse health care organization that is a national model.

Robert M. Heyssel, for your decades of leadership and loyalty, The Johns Hopkins University confers upon you the degree of Doctor of Humane Letters, *honoris causa.*

Citation Read by
Alfred Sommer
in Presenting
Abraham Horwitz
for the Degree of Doctor of Humane Letters
May 21, 1992

It is one year short of half a century since you came from Chile to study public health at Johns Hopkins. Few in any field have filled that span of time with accomplishments that approach your own. You are, today, in the truest sense, a senior statesman in public health, recognized for not only revealing the promise but delivering the reality of the benefits of modern preventive medicine to populations around the world.

Through teaching, research, and public service, you have helped advocate, stimulate, and guide the implementation of major health programs. You were the architect and first director of the national health service in your own country, Chile. Your influence has been felt throughout the Western Hemisphere through your service as director of the Pan American Health Organization, an office to which you were elected for an unprecedented four terms. And the health and well-being of people the world over have benefited from your chairmanship, which continues to this day, of a key United Nations committee on nutrition.

One hallmark of these years of international effort is your success in integrating health, as a social service, with economic development. Health plans organized under your guidance invested billions of dollars to bring pure water and basic sanitation to millions of people in impoverished societies. At the same time, you effectively combined the disciplines of epidemiology and nutrition—the foundation stones of public health—into a strong force for the prevention of disease and the promotion of individual health.

To the national awards that have been established in your honor, to decorations from more than a dozen governments, to such distinctions as the Bronfman Prize of the American Public Health Association, The Johns Hopkins University is proud to add and to confer upon you, Abraham Horwitz, esteemed alumnus and cherished colleague, the degree of Doctor of Humane Letters, *honoris causa.*

Citation Read By
V. David VandeLinde
in Presenting
Lee Iacocca
For the Degree of Doctor of Humane Letters
May 21, 1992

As America emerges from a frightening recession into an unprecedented—and, to some, equally frightening—era of global competition, you are a welcome and important reminder that down is not necessarily out.

You were knocked down — in fact, you have said you were publicly humiliated—when your highly successful 32-year career at Ford Motor Company was brought to an involuntary end in 1978. Chrysler Corporation, too, was very nearly prostrate. The company was hemorrhaging cash and would lose nearly three billion dollars in just two years.

But you and Chrysler resurrected each other. You became the company's president very shortly after you left Ford, and chairman less than a year later. In a display of personal, and personalized, leadership perhaps unmatched in American business history, you assembled the coalition of management, labor, government, and consumer that reinvented Chrysler and restored it to prosperity.

Since then, you have been up and occasionally down, but in no way out. While remaining Chrysler's strategic leader and widely recognized television pitchman, you have become a best-selling author. You have been a dedicated fund-raiser for an important project very close to the heart of a first-generation Italian-American, the Statue of Liberty-Ellis Island restoration. And you have been blunt and plain-spoken on the national and international issues of the day.

Sometimes, and perhaps especially at times like now, an entire nation needs to be told to "lead, follow, or get out of the way." Lee Iacocca, as you prepare to retire this year, The Johns Hopkins University thanks you for reinforcing that message over decades of service and distinguished leadership and confers upon you the degree of Doctor of Humane Letters, *honoris causa.*

Citation Read By
Carol Gray
in Presenting
C. Everett Koop
For the Degree of Doctor of Humane Letters
May 21, 1992

In a time when the nation's heroes tend to be movie stars or athletes, you have demonstrated the qualities of a true hero: honesty, leadership, and courage. As U.S. surgeon general for nearly a decade, you took seriously the responsibility of defending the public health. You talked plainly about AIDS at a time when most politicians considered the subject too sensitive to mention. You led the charge against smoking, drunken driving, and alcohol abuse. You were outspoken whenever you saw an opportunity to save lives or reduce suffering, and your words were not always welcomed. Yet you persevered, believing that your duty was to serve people, not ideology.

You turned the relatively obscure office of surgeon general into a highly visible platform for public education. Since retiring from government, you have not been idle. You continue to fight for public health, as the director of the C. Everett Koop Institute of Health and Science. Through your writing and television appearances, you continue to influence health care and health policy. Your latest crusade to reform the national health care system has forced many current officeholders to focus on this pressing issue.

Today we are a healthier, better informed nation for your efforts. C. Everett Koop, in grateful recognition of your tireless and courageous leadership and your dedication to improving the health of every American, The Johns Hopkins University confers upon you the degree of Doctor of Humane Letters, *honoris causa.*

Citation Read By
Lloyd Armstrong Jr.
in Presenting
Zanvyl Krieger
For the Degree of Doctor of Humane Letters
May 21, 1992

For more than half a century, your commitment to Baltimore and to Johns Hopkins has been unswerving, and you have left your mark on many of the city's leading institutions. Ever since your friend Milton S. Eisenhower was president of Hopkins, you have given your alma mater the benefit of your wisdom, and now serve as a presidential counselor. Your contributions to the university have made possible the creation of the Krieger Mind/Brain Institute and three endowed professorships in the School of Medicine, reflecting your commitment to the advancement of knowledge and the education of talented young people.

In the larger community, you have been a major benefactor of the Kennedy Krieger Institute and the Krieger Eye Institute at Sinai Hospital. And your involvement in the community has extended beyond education and health care. Without you, Baltimore would not have welcomed either the Colts or the Orioles. You have said that big league teams help make big league cities. Today we have you to thank, in large part, for Baltimore's big league status.

Prominent attorney, businessman, sports team owner, and philanthropist, you have played a role as well in shaping the city's culture. Supportive throughout your life of Baltimore's Jewish community, you reached out also to organizations such as the Peabody Institute, the Baltimore Symphony Orchestra, and the Baltimore Community Foundation. Never content to provide only financial support, you have given of your time and leadership skills again and again to make your hometown more livable.

To quote one beneficiary of your generosity, "If we could do one thing to make Baltimore a better place, it would be to clone Zan Krieger." Zanvyl Krieger, in gratitude for your lifetime of tireless public service to Baltimore and the honor you have brought to this institution, The Johns Hopkins University confers upon you the degree of Doctor of Humane Letters, *honoris causa.*

Citation Read by
George Packard
in Presenting
Michel Rocard
for the Degree of Doctor of Humane Letters
May 21, 1992

For more than 35 years, you have been among the most respected and popular figures in French politics. The son of a distinguished physicist, Yves Rocard, you have distinguished yourself in service to France, as two-time mayor of Conflans-Ste.-Honorine, minister of state, minister of planning and development, and minister of agriculture. From 1988 to 1991, you were prime minister. Throughout your career, you have maintained a standard of integrity and reason in public life. In a world in which image has become so important, your *parler vrai* image and style of rhetoric—the unflinching ability to tell it like it is—have proved you to be a man of integrity, forthrightness, and concern.

Your significant contribution to French socialism began when you were a student in the mid-1950s. Quickly you ascended, first as the national secretary of two separate factions of the unified socialist party (PSU), then, for nearly 20 years, as an effective parliamentary deputy from Yvelines. In 1969, you were the PSU's presidential candidate. In the ensuing years, you were instrumental in helping French socialism evolve into a social democratic movement intent on creating free markets that work together with social welfare programs. You have

been unwavering in your attempt to move the party away from Marxist dogmatism and French communism and toward European humanism, political realism, and a morally charged approach to politics. Above all else, you have been tirelessly committed to economic soundness and humane ideals.

Michel Rocard, in recognition of a lifetime in which you have never lost your vision of a more humane society rooted in socialist idealism and economic realism, The Johns Hopkins University confers upon you the degree of Doctor of Humane Letters, *honoris causa.*

The University Mace

The University Mace carried by the Chief Marshal, Dr. Charles F. Doran, was first used at the 1954 Commemoration Day Exercises. Eight symbols are handwrought in sterling silver on an ebony staff. The symbols represent our cultural development from ancient times, through the Middle Ages and the Renaissance, to the modern era.

The Presidential Insignia

University President William C. Richardson is wearing the Presidential Insignia signifying the authority vested in the President by the Board of Trustees. It is a chain of sterling silver links worn around the neck. Portraits of each of the eleven Johns Hopkins University Presidents are engraved on the faces of eleven of the links. On the reverse are engraved the names and dates of office of each President. Five blank links for future use are included. The University Seal completes the design.

Academic Dress

The custom of wearing academic dress stems from the Middle Ages, when scholars were also clerics and wore the costume of their monastic order. The hood was originally a cowl attached to the gown, which could be slipped over the head for warmth. The cap was originally round, but has changed to the varieties that we see today.

The gown varies for the respective degrees. The Bachelor's gown is worn closed and can be distinguished by its long, pointed sleeves. The Master's gown is designed to be open with the arms worn through the slits in the elbows of the sleeves. The Doctor's gown, also worn open, has full, bell-shaped sleeves with three horizontal bars stitched across the upper arm. There is a velvet panel draped around the neck and stitched down the front edges. This velvet trimming may be either black or the same color as the velvet border of the hood.

The hood also varies for the respective degrees. The Bachelor's and Master's hoods are of the same design, pointed at the base. The Bachelor's hood is three feet long; the Master's hood is three and one half feet long. The Doctor's hood is four feet long, of fuller shape and rounded at the base.

The hood is bordered with velvet, the color of which indicates the field of study in which the degree was earned:

Dark blue—Philosophy
Light blue—Education
Greeu—Medicine
Salmon pink—Public Health
Orange—Eugineering
Gold-yellow—Science
White—Arts and Letters
Pink—Music
Purple—Laws
Apricot—Nursing

The silk lining of the hood represents the institution which granted the degree. If more than one degree is held, the gown and hood of the higher or highest degree is worn. The Johns Hopkins University has adopted an alternative costume to be used by all holding Johns Hopkins doctoral degrees, both earned and honorary. The costume consists of a gold robe with front and side panels in sable velvet and a six-sided Dutch academic cap with gold sweatband and tassel. The linings seen in today's academic procession may include:

Black, old gold chevron—Johns Hopkins
Light blue, white chevron—Columbia
Dark blue—Yale
Blue with white chevron—Duke
Dark blue, two orange chevrons—Illinois
Light blue, two white chevrons—North Carolina
Old gold, maroon chevron—Minnesota
Old gold—Iowa
Gold, blue chevron—University of California at Berkeley
Gold—Virginia
Purple, gold chevron—Northwestern
Carnegie Tartan—Carnegie-Mellon
Purple—New York University
Bright red—Wisconsin
Plum, with scarlet—London
Maroon—Chicago
Crimson—Harvard
Carnelian, two white chevrons—Cornell
Cardinal—Stanford
Cardinal red and gray—Massachusetts Institute of Technology
Red, tri-Chevron in center—Heidelberg
Dandelion yellow—Michigan
Maize, azure blue chevron—Sorbonne
Yellow and white—Rochester

The University Motto

Veritas vos liberabit.
The truth shall make you free.
—*St. John 8:32*

Awards

In The Schools of Arts and Sciences, Engineering and Medicine

Louis Sudler Prize in the Arts
for excellence in the creative arts
Awarded to Jeffrey A. Carpenter

In The Schools of Arts and Sciences and Engineering

Roberto R. Arellano Award
for excellence in writing by a Writing Seminars undergraduate
Awarded to Barbara Fischer

AT&T Outstanding Senior Award in Computer Science
Awarded to Sandeep Kishan Singhal

Louis Azrael Fellowship in Communications
for demonstrated excellence in a field of mass communications
Awarded to David Edelman
Li-Yu Huang
Ethan Skolnick

Biomedical Engineering Award
for outstanding effort in research in Biomedical Engineering
Awarded to Sandeep K. Jain (undergradnate); Darren L. Miller (undergraduate); Edwin M. Posadas (undergradnate); Jason S. Rothman (master's cand.); Jennifer A. Zarbock (master's cand.)

Alexander Butler Prize
for the best research paper by a first year graduate student in History
Awarded to Nancy Kay Berlage

Mary Farrell Camerer Award
for excellence in writing by a Writing Seminars undergraduate
Awarded to Heather Holden Brooks

The Eugenio and Patricia Castillo Award in Economics
to the best first or second year student
Awarded to Forhad Shilpi
Chemical Engineering Undergraduate Research Award
for demonstrated contributions to research in Chemical Engineering
Awarded to Matthew Richard Oberholzer

Civil Engineering Award
for outstanding achievement by a senior in Civil Engineering
Awarded to Jason Meunella

G. Stanley Hall Prize
for outstanding achievement by an undergraduate in Psychology
Awarded to Daniel Avram Kranss

The Max Hochschild Fund
The prize is awarded annually to the undergraduate student in Business and Industrial Management who has shown great promise and proficiency in this field and is
Awarded to Christopher Ferrante

The Jacob H. Hollander Prize
for excellence in writing by a Writing Seminars undergraduate
Awarded to Michael Hobson

The 3 Arts Club of Homeland Award
for excellence in writing by a Writing Seminars undergraduate
Awarded to Emily Ross

The William H. Huggins Award
for outstanding service and achievement by a senior and junior in Electrical and Computer Engineering
Awarded to Lowell Wesley Wheeler (Class of '92)
Michael Bentkofsky (Class of '93)

IBM Outstanding Undergraduate Award in Computer Science
Awarded to Jean Shioh Lin

Richard J. Johns Award
for outstanding academic achievement in Biomedical Engineering
Awarded to Sandeep K. Jain
Sachiko Hirosne

Adolf Katzenellenbogen Memorial Prize
for outstanding work in Art History
Awarded to Veerle Maria Thielemans
Jennifer Marie Banman

Donald E. Kerr Memorial Medal
to the outstanding undergraduate major in Physics and Astronomy
Awarded to Andrew F. Ptak

Arthur Kouguell Prize
to the outstanding undergraduate major in History
Awarded to Jon A. Mellis

Martin G. Larrabee Award
for meritorious undergraduate research in the Thomas C. Jenkins Department of Biophysics
Awarded to Tarun Mullick
Jason Sager

Ernest M. Marks Award
in recognition of excellence in instruction and research in Chemistry

Awarded to Sam D'Arcangelis
Bhavani Balasubramanian

Mathematical Sciences Achievement Award
for outstanding achievement by an undergraduate in Mathematical Sciences
Awarded to Renben J. Settergren

Paul A. McCoy Prize
for the most distinguished masters essay in Political Science
Awarded to Claire P. Curtis

The William D. McElroy Award
for meritorious research conducted by an undergraduate in the biological sciences
Awarded to Patricia Lynn Harger

The Robert G. Merrick, Jr. Achievement Award
is awarded by the Zanvyl Krieger Mind/Brain Institute for outstanding undergraduate research at the interface between the mind and brain
Awarded to Katrina MacLeod

Robert B. Pond, Sr., Achievement Award
to the graduating senior in Materials Science and Engineering who best exemplifies Professor Pond's commitment to scholarly and humane values
Awarded to Kushlan Nagodawithana

President's Commendation for Achievement in the Arts
for outstanding contributions to the Arts in the Johns Hopkins Community by graduating seniors
Awarded to Erika Horsey

The Curt P. Richter Award in Behavioral Biology
in recognition of outstanding achievement in the Behavioral Biology Program
Awarded to Anthony Alastra
Veronica Rodriguez

Sarah & Adolph Roseman Achievement Award
in recognition of outstanding accomplishment in Chemistry
Awarded to Jon J. Hangeland
M. Riad Manaa

Roulston Prize
for outstanding achievement and excellence in German
Awarded to Nancy Nobile
Dorothee Ostmeier
Rolf Thiede

Julian C. Stanley Award
for the undergraduate psychology major who most closely approximates Dr. Stanley's personal and professional standards of excellence
Awarded to Jeanne Marie Grunwell

The J.J. Sylvester Prize
for outstanding achievement by a senior in Mathematics
Awarded to Wendy Wai-Wan Chin
Mohammed Ghomi

Robert W. Tucker Award
for the most distinguished senior thesis in International Studies
Awarded to Brian Swett

Julius Turner Prize
for the most distinguished senior thesis in Political Science
Awarded to Sharon F. Schwartz
Nathan Ernest Widder

The John Boswell Whitehead Award
for outstanding achievements by an undergraduate in Electrical and Computer Engineering
Awarded to Wendy Wai-Wan Chin
(Class of '92)

Loy Wilkinson Award
for a demonstrated record of academic excellence, leadership, and service in Chemical Engineering
Awarded to Jeffrey Paul Wolbach

In The Peabody Conservatory of Music

The Baltimore Music Club Award in Accompanying
Awarded to David McDade

The Annie Wentz Prize in Accompanying
Awarded to Caren Levine

The Pauline Favin Prize in Piano
Awarded to Matthew Hagle
Ci-Ying Sun

The Ada Arens Morawetz Prize in Composition
Awarded to Juha Ojala

The J.C. Van Hulsteyn Prize in Violin
Awarded to Allison Bailey
Lorena Gonzalez

The Josef Kaspar Prize in Violin
Awarded to Hon Qing

The Sidney Friedberg Prize in Chamber Music
Awarded to Darel Stark

The George Castelle Prize in Voice
Awarded to Julianne Borg
Darci Bultema
Derek Anthony Dahle

The Annie Wentz Prize in Voice
Awarded to Kyle Engler

The Lillian Howard Mann Prize in Voice
Awarded to Diana Burson

The Martha and William Bill Prize in Clarinet
Awarded to Kyle Conghlin

The Hos Award in Guitar
Awarded to Stephen Turley

The Maryland State Music Teachers Association Award
Awarded to Katie Slayback Hale

The Zaidee T. Thomas Prize in Instrumental Performance
Awarded to Carl Anderson
Slawomir Grenda

The Alice and Leary Taylor Prize in Performance
Awarded to Christopher Claytor

The Harold Randolph Prize in Performance
Awarded to Martha Edwards
Robert Tucker

In The School of Nursing

Emma Jones Beckwith Cullen Award
in recognition of the highest standards of nursing practice and executive ability
*Awarded to Valla Walker Peka**
Kevin John O'Brien

Eleanor Wade Custer Award
to a student who most successfully combines commitment to the nursing profession with sensitivity to one's fellowman
Awarded to Mary Catherine Warthen

Betty Cuthbert Award
to a student who demonstrates outstanding commitment and service to nursing and the University
Awarded to Joan Marie Colwell

Mary and Grainger Marburg Award
in recognition of a student who consistently exhibits outstanding clinical nursing expertise
Awarded to Carlene A. Beasley

Robert G. Merrick Award
to a student demonstrating outstanding leadership in the field of nursing
*Awarded to Mimi Patterson Mays**

Ruth Dale Ogilby Award
in recognition of exceptional academic performance in the Master's program
Awarded to Carol L. Keiser
Stephanie S. Poe
Laura Carlton Sessions
Mary Elizabeth Tlasek-Wolfson

Edna Schoen Memorial Award
to a student demonstrating excellence in clinical practice
*Awarded to Barbara Mary Keltz**

Joan Sutton Award
to a student demonstrating a strong dedication to professional nursing, clinical excellence and interdisciplinary practice
*Awarded to Alvina Maria Long**

Academic Excellence Award
to a student whose academic performance has been judged to be outstanding
*Awarded to Ellen Tueskin**

Research Award
to a student demonstrating intellectual curiosity and creativity in nursing research
Awarded to Candace Young

The Church Home and Hospital Nursing Alumnae Award
recognizes a student who best exemplifies a humanistic approach to nursing while integrating the art, science and the spirit of nursing
*Awarded to Catherine Shurman Miller**

The Johns Hopkins Nurses' Alumni Association Award
recognizes a student whose leadership ability is combined with clinical competence and an inquiring mind
*Awarded to Sally Gaintner Hess**

Sinai Nurses' Alumnae Association of Sinai Hospital, Inc.
recognizes a student who exhibits enthusiasm, compassion and a positive approach to problem solving in nursing
*Awarded to Dara Ann Lawrence**

*Accelerated Class of July 1991

In The School of Continuing Studies

Delta Sigma Pi Scholarship Key
in the Division of Administration and Business for the highest average in the undergraduate programs
Awarded to Alice Elizabeth Unger

Edward J. Stegman, C.P.A., Memorial Award
in the Division of Administration and Business for excellence in the study of Administrative Science at the graduate level
Awarded to John Franklin Armstrong, Jr.
William Bialick
Philip Marvin Blackmon
Michael Stephen Davidson
Cynthia Jean Follmer
James Patrick Galvin
Robin Nancy Garland
Donna Jane Guba
Elizabeth Rehwinkel Harvey
Kimberly Sue Hein
William James Huffnell
Michelle Marie Kavanagh
John August Kerechek, Jr.
Joyce Karen Lehrer
Gary Nicholas Michael
Dorothy Jo-Ann Munderloh
William Edward Nist
Lisa Price
Richard M. Roberson
Elizabeth Thomas
Joanice McLeod Uline
Brian Claire West
Donna Wilkerson

Wall Street Journal Student Achievement Award
in the Division of Administration and Business for outstanding scholarship in the undergraduate programs and exceptional promise of future success
Awarded to Carol Parks

In The School of Medicine

The Henry Strong Denison Scholarship
The Henry Strong Denison Fund for Medical Research in memory of Henry Strong Denison, M.D., 1908, is used for the specific purpose of aiding in the training for research of young people deemed by the Medical Faculty to be especially gifted for a career in medical investigation.
Awarded to Anna Maria Lukaszewski—1989–90
David Darrell Vaughn—1989–90
Alexander Miric—1991–92
Sonja Melita Clarice Moelleken 1991–92

Sandoz Award
This award provided by the Sandoz Pharmaceutical Company recognizes excellence in the field of Pharmacology.
Awarded to Robert J. Mourey—1991–92

Laurel And Clarence H. Koennecke Award
The Laurel and Clarence H. Koennecke Award was established to recognize those students showing most promise in the surgical field of Gynecology.
Awarded to Lanetta Anderson—1991–92

The Franklin Paine Mall Prize In Anatomy
The Franklin Paine Mall Prize in Anatomy established by Dr. Miley B. Weston, an alumnus of the School of Medicine, is given in the name of Franklin Paine Mall, the first professor of Anatomy in the School of Medicine.
Awarded to Douglas Clyde Barnhart—1988–89
Audrey Chan—1988–89
Elizabeth Ann Davis—1988–89

The Paul Ehrlich Awards
The Paul Ehrlich Awards were established to honor Dr. Paul Ehrlich with funding originally granted by Dr. Emmanuel Libman. The awards, which recognize student research contributions, are presented each year at Young Investigators' Day.

The Paul Ehrlich Clinical Science Award
Awarded to Bob S Carter—1991–92

The Paul Ehrlich Research Award
Awarded to Karen B. Chapman—1990–91

The Paul Ehrlich Medical Student Award
Awarded to James Frederick Meschia—
1990–91
David Branch Moody—
1991–92

The David Israel Macht Memorial Prize
The David Israel Macht Memorial Prize was established in 1983 by the family of Dr. Macht to commemorate the centenary of his birth. Dr. Macht was a member of the faculty of the Departments of Pharmacology and Medicine in the early part of this century and was a pioneer investigator in the field of opiate alkaloids. The prize is intended to recognize excellence in investigation by a student in the School of Medicine.
Awarded to Susan Marie Dymecki—
1991-92
Surachai Supattapone—
1989–90

Harold Lamport Biomedical Research Prize
The memory of Dr. Harold Lamport, a distinguished investigator, is honored by this prize established by the Lamport Foundation. The prize recognizes research contributions.
Awarded to James Frederick Meschia—
1991-92

CIBA Award for Outstanding Community Service
The CIBA Pharmaceutical Company makes a yearly award to that student in the second year of the School of Medicine who is judged by classmates to have made the greatest contribution to our community.
Awarded to Carol Anne Mathews—
1990–91

The Harry C. Saltzstein Prize for Medical Writing
This prize was established in 1990 by the family of Dr. Saltzstein, a 1914 graduate of The Johns Hopkins School of Medicine, to recognize his life long interest in medical writing. The award is given to that student who has exhibited excellence in medical writing as judged by a faculty committee.
Awarded to David Branch Moody—
1990–91

In The School of Hygiene and Public Health

Alumni Association Scholarship Award
to students of outstanding promise
Awarded to Joan Ellen Peterson Kub (1985)

Frederik B. Bang Award
for an outstanding research idea in the area of pathobiology
Awarded to Benjamin Wizel Cohen (1990)

Ruth B. Freeman Award
to a graduating doctoral nurse to recognize academic performance and an outstanding thesis
Awarded to Catherine Hoffman

Paul A. Harper Award
to degree candidates in the Department of Population Dynamics to recognize both achievement and promise of contributions to the field of population
Awarded to Taha El Tahir Taha

John C. Hume Doctoral Award
to a graduate for significant research in the Department of Health Policy and Management
Awarded to Roger Thomas Anderson

John C. Hume Masters of Public Health Award
to a graduate for academic excellence and professional promise
Awarded to R. Bruce J. Aylward
Corrine Georgene Husten

Cornelius W. Krusé Award
for scholarly excellence in Environmental Health Sciences
Awarded to John James Calomiris

Harry D. Kruse Award
for outstanding doctoral research in the field of nutrition and public health
Awarded to Clifford Lawrence Eastman (1991)

Mary B. Meyer Memorial Award
to students in the Department of Epidemiology for academic excellence
Awarded to Joseph Coresh (1990)

In The Paul H. Nitze School of Advanced International Studies

William C. Foster Award
to a second year student for sound scholarship and a record of leadership and distinguished service to SAIS exemplary of the high qualities of integrity, loyalty and ability admired in Mr. Foster
Awarded to Harold E. Hodges
Dafna R. Tapiero

Christian A. Herter Fellowship
to the member of the second year class with the most outstanding record during the first year
Awarded to Gordon E. Fairclough
Juan C. Helbling
George P. Kent

Honor Societies

Phi Beta Kappa

From the Junior Class in the School of Arts and Sciences

Irfan Ansari
Daniel Rabin Brown
Ilil Carmi
Jared Keith Ellman
Barbara Kristen Fischer
Ira Martin Garonzik
Aaron Daniel Hoag
Matthew Joel Horwitz
Bart Duncan Jeffress
Michael Shi-Young Lee
Marc Spear
Lynn Margaret Tuttle

From the Senior Class in the School of Arts and Sciences
Elected in 1990–91

William Harold Aaronson
Daniel Louis Abrams
Eric Arends
Craig Henry Bassing
Jeanne Marie Grunwell
Misop Han
David Joseph Istvan
Jeffrey Scott Morgheim
Jay Hong Park

Elected in 1991–92

John Dennis Fletcher Allendorf
Carl David Berg
Steven Harold Blum
Heidi Kirsten Blume
Patrick Peter Bosch
Susanne Charlotte Bozzo
Jeffrey Andrew Carpenter
Chung-Ih John Chou
Alice Chung
Steven Andrew Coben
Amy Rhonda Davidson
Malabika De
Thushan Narendra DeSilva
Kevin Maynard Dixon
Heather Lisa Dubnick
Melinda Jean Fan
Helene Dawn Feldman
Christopher Richard Ferrante
Heather Ilene Garey
Rebecca Ann Garron
Susan N. Gershman
Gonzalo Josue Granpera
Jeffrey John Green
Mikos Chrysanthos Grieco
Patricia Lynn Harger
Emmanuel Hostin
Amy Elisabeth Hungerford-Shirley
Paul Wook Kim
Samuel Chul Kim
Daniel Avram Kranss
Gloria Kay Lillard
Kin Lun Lui
Richard Glade Malish
Jon Andrew Mellis
Tarun Mullick
Rima Michel Nasser
Erik Douglas Newton
Andrew Francis Ptak
Bhagwan Jay Rao
Todd Eric Ratner
Anthony C. Reiner
Emily Ross
Jason Adam Sager
Ali Mohseni Sajadi
Eric Jonathan Schimmel
Lynn-Anne Marie Schow
Sharon F. Schwartz
Emily Smith-Lee
Emily Spencer
Jenelle Marie Troxell
Brian Tomio Tsuzaki
Erich Varnes
Monica Brooke Vermeer
Sharon Anne Weinberger
Nathan Ernest Widder
Barry David Wood
Henry Klar Yaggi IV

From the Doctor of Philosophy Candidates in the School of Arts and Sciences

Robert Carey Welsh
Lei Xing

From the School of Medicine

Bob S Carter
John Daniel Davis IV
Hillary Ann Hahn
Jeffrey Charles King
David Branch Moody
Kimberly Ann Romanchuk

From the School of Hygiene and Public Health

Mary Margaret Alleman
Billy R. McArthur
Mark R. Somerfield
Wei Zheng

From the Paul H. Nitze School of Advanced International Studies

Kristen Lomasney
Grace Anandhi Rajakumaran
Brian Israel Swett
Sara Dorothy Ugarte

Tau Beta Pi
National Engineering Honor Society

From the Junior Class in the G.W.C. Whiting School of Engineering

Amit Agarwala
Carl Bruecken
Andrew Chen
Thomas Chon
David Chow
Francis Chow
Lisa Enz
Joseph Groszkiewicz
Hon-Chong Ho
Eric Maurer
Elliott Menschik
Ali Mesiwala
Michael Ponticiello
Edwin Posadas
Steven Renqnist
Tara Riemer
Michael Shin
John Jason Sprague
Scott Straka
Samuel Tong
Sovanrith Tun
Joshua Uth
Karen Waitkus
Jeffrey Weller
Geoffrey Wise
Jason Wolfson

*White stoles worn on candidates' robes indicate their induction in Tau Beta Pi.

From the Senior Class in the G.W.C. Whiting School of Engineering Elected in 1990–91

Steven Bierer
Gerald Brann
Raymond Chan
Christopher Chen
Wendy Chin
Crist Clark
Jason Heth
Sachiko Hirosue
Sandeep Jain
Jean Lin
Pankaj Merchia
Sandeep K. Singhal
Howard Stephan
Anthony Stratakos
John H. Wang
Jeffrey Wołbach

Elected in 1991–92

Craig Breitenbach
Andrew Cash
Chih-Chieh Chen
Edwin Dair
Richard Fowler
Lee Gibson
John Harris
William Hsu
Matthew Oberholzer
Hanna Rodriquez
Kuong Tai
Eugene Tang
John Tsai
David Weiland

From the Part-Time Programs in Engineering and Applied Science

Amon Ducao
Michael Enrice
John Kotrosa
Dean LaBarbera

From the Doctor of Philosophy Candidates in the G.W.C. Whiting School of Engineering

Kirsten Green
James Scanlon

Alpha Omega Alpha
Honor Medical Society

Douglas Clyde Barnhart
Bob S Carter
Elizabeth Ann Davis
John Daniel Davis IV
Susan Marie Dymecki
Hillary Ann Hahm
Karen Margaret Horton
Maureen Renee Horton
Jeffrey Charles King
Anna Maria Lukaszewski
Frederick Ali Masoudi
Karen Klahr Miller
Redonda Gail Miller
David Branch Moody
Julie Lynne Myers
Kimberly Ann Romanchuk
Steven Douglas Smith
Bernadette Howwen Wang
Lorraine Bell Ware

Delta Omega
National Public Health Society

R. Bruce J. Aylward
Carol Martin Bazell
Wilfrida Marie-Therese Bebets
Ruth Andrea Brenner
William Robert Brieger
Bob S. Carter
Josef Coresh
Meg Caroline Doherty
Joseph Paul Falco
Judith Ann Fenstle
James Milton Herrell
Andrey Ping-Ting Ho
Catherine Hoffman
Corinne Georgene Husten
Ronald Wayne Joines, Jr.
Jennifer Cole Jones
Emily Fitzgerald Kemp
Stephen Joseph Lemon
Alice Marie Levisay
John Walley Littlefield
Claudia Susan Morrissey
Susan Lauren Moussa
Jean Ellen Nelson
Karin Jane Nenfeld
Petra Ursula Osinski
Richard Ludovicus Maria Peeperkorn
Joseph D. Piorkowski, Jr.
Katharina Lauer Puffenberger
Michael George Rappa
Mark Richard Somerfield
Jeremy Sugarman
Basil Pangraty Vareldzis
Ajay Verma
Kristen Coyle Virostek
Jianfeng Xu
Judith Weiss

Pi Kappa Lambda
National Music Honor Society

(Invitees)
Nancy Allen
Diane Burson
Shin-Wen Lucy Chang
Douglas Crowder
Annie Gadbois
Slawomir Grenda
Matthew Hagle
Jason Love
D. Mark McCoy
David Neal
Juha Ojala
Evan Olcott
David Stambler

Honors

Baccalaureate Candidates in the School of Arts and Sciences Graduating with General Honors

William Harold Aaronson
Daniel Louis Abrams
John Dennis Fletcher Allendorf
Eric Arends
Ali Bahadori
Craig Henry Bassing
Carl D. Berg
Steven Harold Blum
Heidi Kirsten Blume
Patrick Peter Bosch
Susanne Charlotte Bozzo
Heather Holden Brooks
Daniel Rabin Brown
Jeffrey Andrew Carpenter
Alice Chui-Fang Chung
Steven Andrew Cohen
Jaconda Kristov Cortazzo
Amy Rhonda Davidson
Surendra Parmanand Dawani
Malabika De
Thushan Narendra DeSilva
Jennifer Anne DeVries
Kevin Maynard Dixon
Heather Lisa Dubnick
Melinda J. Fan
Helene Dawn Feldman
Christopher Richard Ferrante
Heather Ilene Garey
Rebecca Ann Garron
Susan Nicole Gershman
Scott Michael Giardina
I-Ching Gong
Gonzalo Josue Granpera
Jeffrey John Green
Joshua Marks Greenhoe
Mikos C. Grieco
Jeanne Marie Grunwell
Misop Han
Patricia Lynn Harger
Ashley McGary Houghton II
Amy Elisabeth Hungerford-Shirley
David Joseph Istvan
Paul Wook Kim
Samuel Chul Kim
Kelly A. King
Daniel A. Kranss
Po-Shun Lee
Pamela Diane Liebmann
Gloria Kay Lillard
Kin Lun Lui
Richard Glade Malish
Anne Catherine Marinovic
Jon Andrew Mellis
Jeffrey Scott Morgheim
Pinaki Mukherji
Tarun Mullick
Rima-Catherine Michel Nasser
Scott Michael Needle
Erik Douglas Newton
Ryan Milone O'Grady
Jay Hong Park
Sharon Rebecca Plafker
Jeffrey Scott Pruzan
Andrew Francis Ptak
Bhagwan Jay Rao
Arlene Susan Rapkin
Todd Eric Ratner
Anthony C. Reiner
Vicente Andres Resto
Robert Lamar Rice
John Marshall Robinson
Emily Margo Ross
Deborah Anne Roth
Ted Matthew Roth
Jason Adam Sager
Ali Mohseni Sajadi
Heather Louise Schenck
Eric Jonathan Schimmel
Lynn-Anne Marie Schow
Sharon Felice Schwartz
Laura Alison Scott
Kristin Wood Solter
Emily Spencer
Dyon Stefanon
Tracey Jean Sutcliffe
Jenelle Marie Troxell
Brian Tomio Tsuzaki
Nicole Yvette Twyman
Erich Ward Varnes
Monica Brooke Vermeer
Heather Lynne Waters
Sharon Anne Weinberger
Nathan Ernest Widder
Soon Bok Woo
Barry David Wood
Henry Klar Yaggi IV
Clifford W. Yut

Baccalaureate Candidates in the G.W.C. Whiting School of Engineering Graduating with General Honors

Steven Michael Bierer
Craig Steven Breitenbach
Andrew F. Cash
Raymond C. Chan
Chih-Chieh Johnny Chen
Christopher Jean Chen
Wendy Wai-Wan Chui
Crist Joseph Clark
Edwin D. Dair
Richard Owen Fowler
Lee Taylor Gibson
Andrew Eli Grunnet
Jason Anthony Heth
Sachiko Hirosue
Sandeep Kumar Jain
Jean Shio Lin
Pankaj Merchia
Matthew Richard Oberholzer
Hanna Stella Rodriguez
Reuben Joseph Settergren
Sandeep Kishan Singhal
Howard Gregory Stephan
Matthew B. Stevenson
Anthony John Stratakos
Suraj C. Surendraknmar
Stephen Knong Io Tai
Eugene M. Tang
John T. Tsai
John Hsiang-Yeon Wang
David Armin Weiland
Jeffrey Paul Wolbach

Baccalaureate Candidates in the School of Arts and Sciences Graduating with Departmental Honors

William Harold Aaronson
Sylvia G. Alarcon
John Dennis Fletcher Allendorf
Craig Henry Bassing
Carl D. Berg
Steven Harold Blum
Susanne Charlotte Bozzo
Michelle Ann Brown
Kristen Lee Calvert
Elizabeth K. Cherot
Wendy Wai-Wan Chiu
Bradley Neil Cohen
Matthew Justin D'Amario
Bradley Rice Davis
Surendra Parmanand Dawani
David John Devejian
Kevin Maynard Dixon
Christopher Richard Ferrante
Arthur Kamil Flam
Denise Anne Flood
Mona Salem Foad
Allen Brooke Gardiner
Sebastian Geuens

Mohammad Ghomi
Yován González
Heather Leah Gornik
Sarah Rachel Greenberg
Mikos C. Grieco
Misop Han
Patricia Lynn Harger
Akash Tasneem Hoque
Emmannel Hostin
Amy Elisabeth Hungerford-Shirley
Roberta Eve Hurwitz
Arturo Interian III
Jeffrey Jerome Janowick
David McKee Johansen
Thomas Hartford Kern
Kelly A. King
Valerie Shi-Chia Lee
Richard Glade Malish
Chelsea Kui McGurrin
Jon Andrew Mellis
Pankaj Merchia
Jeffrey Scott Morgheim
Sarah Morton
Tarun Mullick
Rima-Catherine Michel Nasser
Erik Douglas Newton
Gerald Wayne Parham, Jr.
Raymond Joseph Padiernos Parungao
Jeffrey Scott Pruzan
Andrew Francis Ptak
Lisa Dian Raimundo
Arlene Susan Rapkin
Thomas E. Redburn, Jr.
Anthony C. Reiner
John Marshall Robinson
Veronica Rodriguez
Emily Margo Ross
Jason Adam Sager
Ali Mohseni Sajadi
Cynthia Frances Salorio
Lynn-Anne Marie Schow
Sharon Felice Schwartz
Megan Louise Searing
Anthony Hunkynn Sin
Sandeep Kishan Singhal
Kristin Wood Solter
Martine Elyse Spann
Emily Spencer
Dyon Stefanon
Katherine Jean Stein
Jennifer Faith Sussal
Brian Israel Swett
Jainen A. Thayer
Neal Joseph Thurman
Erich Ward Varnes
Mira Vayda
Lian Von Wantoch
Adam David Wagshul
Simon C.M. Whang
Nathan Ernest Widder
Soon Bok Woo
Barry David Wood
James R. Woodruff
Se Woong Simon Yoon

Graduate from the Biology Honors Program

Soon Bok Woo

Graduates from the Humanistic Studies Honors Program

Heather Lisa Dubnick
Mikos C. Grieco
Amy Elisabeth Hungerford-Shirley
David McKee Johansen

Graduates from the Writing Seminars Honors Program

Sylvia G. Alarcon
Mikos C. Grieco
Arturo Interian

Baccalaureate Candidates in the G.W.C. Whiting School of Engineering Graduating with Departmental Honors

Steven Michael Bierer
Craig Steven Breitenbach
Andrew F. Cash
Raymond C. Chan
Chih-Chieh Johnny Chen
Christopher Jean Chen
Wendy Wai-Wan Chin
Crist Joseph Clark
Edwin D. Dair
Richard Owen Fowler
Lee Taylor Gibson
Andrew Eli Grumet
Jason Anthony Heth
Sachiko Hirosue
Sandeep Kumar Jain
Jean Shioh Lin
Pankaj Merchia
Matthew Richard Oberholzer
Amy Beth Prengaman
Hanna Stella Rodriguez
Reuben Joseph Settergren
Sandeep Kishan Singhal
Howard Gregory Stephan
Matthew B. Stevenson
Anthony John Stratakos
Stephen Kuong Io Tai
Eugene M. Tang
John T. Tsai
John Hsiang-Yeou Wang
David Armin Weiland
Jeffrey Paul Wolbach

Baccalaureate Candidates in the School of Continuing Studies Graduating with Honors

David Ross Allen
Nancy Murray Cook
Michael Vincent Cottrell
Marc Eric Feldman
Franklin B. Katina
James L. Matthew
Margaret Anne McGannon
Cheryl Anthony McLaughlin
Michael Nelson Netzer
Carol Catherine Parks
Helen Frances Reilly
Lisa Ann Reitz
Marcia Jean Riley
Janet E. Sanders
Martha Mary Seay
Barry D. Sendrovic
Alice Elizabeth Unger
Richard D. Vain
Michael John Zakrzewski

Baccalaureate Candidates in the Part-Time Programs in Engineering and Applied Science

Wayne Douglas Camlin
Edward J. Carmen
Amon Seno Ducao
Michael John Eurice
E. Richard Fenstle, Jr.
Dean Michael LaBarbera
Thomas Charles Rainer
Dennis Joseph Restauro, Sr.

Candidates for Degrees

as of May 1, 1992

A number of students included in the lists which follow completed their degree requirements earlier in the academic year and could not be present today to receive their degrees in person.

Bachelor of Arts in The School of Arts and Sciences

William Harold Aaronson
Stella Joy Abellana
Daniel Louis Abrams
Joshua Karl Actor
Sylvia G. Alarcón
Anthony John Gerard Alastra
Jeffrey Scott Alderman
John Dennis Fletcher Allendorf
Matthew David Altman
Ravi Prakash Anantha
Austin Monroe Anderson
Louis Francis Angelos
Eric Arends
Doyle Dunlap Ashburn III
Deborah Kay Ashby
April Stella Lopez Atencio
Ali Bahadori
Samantha Alice Banfield
Michael Christopher Banks
Amol Shrikrishna Bapat
Linda Namutebi Barlow
Douglass Drew Barré
Phillip Randolph Barrow
Craig Henry Bassing
M. Elizabeth Batchelor
Reagan Beck
Nicole Ruth Behnam
Carl D. Berg
Joshua Joseph Berger
Christine Elaine Bickel
Jennifer Mara Billet
Steven Harold Blum
Heidi Kirsten Blume
Russell Lewis Bogart
Michelle Renée Bonner
Patrick Peter Bosch
Susan Claudia Boyle
Susanne Charlotte Bozzo
Heather Holden Brooks
Daniel Rabin Brown
Jill Sarah Brown
Michelle Ann Brown
Aileen Kelly Bryla
Richard Dennis Bungiro, Jr.
Robbye Dana Burton
Cherie L. Butts
Michael John Byrne III
John Richard Keith Call
Kristen Lee Calvert
John Thomas Carlton
Jeffrey Andrew Carpenter
Kirsten Kay Carter
Sean Bennett Cash
Maruquel Castillo-Véliz
Scott Michael Cesari
Tania Marie Chacho
Kyung Ho Chang
Sue Yong Chang
Cary B. Chapman
Rhoda Naomi Charles
Yee-Ping Chen-Ni
Elizabeth K. Cherot
Connie Gil-Eun Choi
Elaine N. Chou
Jill Alexandra Christensen
Wookjin Chun
Alice Chui-Fang Chung
Steven Michael Cicchino
Dennis Paul Clark
Forrest Troy Closson
Bradley Neil Cohen
Steven Andrew Cohen
Jason Scott Coleman
Marilin G. Colón
Christine Marie Connor
Benton Delos Cook III
Jaconda Kristov Cortazzo
Scott Woodland Costello
Jennifer Amy Cramer
Joanna Catherine Crowe
Matthew Justin D'Amario
Rosemarie Anita DaCosta
David Derrick Dafashy
Dennis John Danielczyk, Jr.
John Amedé Darré
Amy Rhonda Davidson
Bradley Rice Davis
Surendra Parmanand Dawani
Gregory Everett Dawson
Gaurov Dayal
Malabika De
Marisa Jean de la Cruz
Stephanie Jean Dengler
Thushan Narendra DeSilva
Eric Fred William Deutsch
David John Devejian
Jennifer Anne DeVries
Kevin Maynard Dixon
Paige Scarborough Doeller
Daniel J. Dolan
Elizabeth Donnelly
Tara Michelle Dorr
Tricia Elizabeth Downing
Scott Alan Drewes
Heather Lisa Dubnick
Craig Steven Dubois
Vanessa Mae Dunlap
David Milton Dutot, Jr.
Elizabeth Eckstein
Douglas Arthur Eddy
Julian Malcolm Edwards
Jennifer Ann Ehinger
Elizabeth Francine Eilender
Edward Arthur Einhorn
Kendt Evan Eklund
Kiyomi Renée Endo
Meggan Walls Engelke
Kevin Douglas England
Robert Frank English
David Michael Epstein
Michael Allen Evitts
Mazyar Fallah
Melinda J. Fan
Jeffrey Fang
Harry Fredrick Feinberg
Helene Dawn Feldman
Geoffrey Erik Fellows
Anthony James Fernandez
Christopher Richard Ferrante
Edward Fetzer
Arthur Kamil Flam
Denise Anne Flood
Myles Gilrane Flynn
Mona Salem Foad
Afua Y. Forson
Kara Merissa Frand
Michael D. Fraser
Bradley R. Fravel
Craig Malcolm Freeman
Sarah Shannah Freeman
Eric Jonathan Friedman
Shawn Marcus Friedman
Andrew Kent Fritsch
Austin Marshall Fulk
Jorge A. Gana-Winter
James J. Gangemi
Chryssanthe Ganiaris

Laureano Garcia
Allen Brooke Gardiner
Heather Ilene Garey
Rebecca Ann Garron
Elizabeth Leigh Anne Garvish
Gauri H. Gavankar
Elise Lynn Gayoso
Gail Marguerite Gedachian
Susan Nicole Gershman
Keith Andrew Gertsen
Sebastian Geuens
Mohammad Ghomi
Scott Michael Giardina
Becky Lynn Gildersleeve
Mary Deirdre Glendinning
I-Ching Gong
Yován González
Heather Leah Gornik
Thomasine Nora Gorry
Francis D. Grady
Timothy Grandison
Gonzalo Josué Graupera
Jeffrey John Green
Sarah Rachel Greenberg
Joshua Marks Greenhoe
Lisa Christine Greening
Mikos C. Grieco
Jeanne Marie Grunwell
Robert Guido
Scott Lelain Haag
Michael Graham Hallenbeck
Misop Han
Rebecca S. Haralabatos
Patricia Lynn Harger
Benjamin Alexander Harris
Robyn Denise Harris
Kerry Lynne Hart
Kevin Matthew Hartnett
William Joseph Haynes III
Rebecca Eleanor Hays
Susan Elizabeth Hazel
C. Amanda Heinrich
William Bailey Henry II
Maria Teresa Hernandez
Scott Evan Herrick
Ian M. Hobbs
Robert Lawrence Hoch
Lawrence Lewis Hochberg
Edwin Whittier Holden IV
Sohnia Whitney Hong
Akash Tasneem Hoque
Daniel Alan Horn
Erika Fay Horsey
Emmanuel Hostin
Hsin-Pin Hou
Ashley McGarry Houghton II
Deborah Wai-Ming Hui
Amy Elisabeth Hungerford-Shirley
Roberta Eve Hurwitz
Daniel Hwang
Hong Sok Hwang
Arturo Interian III
Jeremy Paul Irvine
David Joseph Istvan
Tara Denise Jackson
Vivek Jain
Jeffrey Jerome Janowick
Brian Ronaldo Jara
James David Jentsch
Evelyn Ann Jerome
Matthew William Jerram
David McKee Johansen
Lorie Nicole Johnson
Robert Anthony Johnson
Chapin T. Jones
Adria Mekell Jordan
Sabrina Elizabeth Jordan
Stephen K. Jusick
Manish Shantilal Kalaria
Nathan Alec Kane
Nancy Kang
Adaobi Collette Kanu
Richard Allen Keetley
Daniel Christopher Keleher III
William John Kephart
Thomas Hartford Kern
Oliver Kerscher
Linda Joyce Khachadurian
Nitin Khakee
Eun Kyung Kim
Jeong Jun Kim
Kyung Ho Kim
Paul Wook Kim
Philip Ho Kim
Robin Davis Kim
Samuel Chul Kim
Kelly A. King
Darrell J. Kirton
Jennifer Mitsue Kishimori
Marc Jeffrey Kligman
Gregory André Kouyoumdjian
Melisa Ann Kovach
Brian Gustav Kral
Jeremy Lewis Kranowitz
Daniel A. Krauss
George Thomas Krieger IV
Jee Su Kwon
Mark Anthony LaGatta-Iturriaga
Renée Lise Lajoie
Adrienne Marie Lamb
Laura Therese Landman
David Michael Lang
V. Richard La Rocca
Noël Marie Lavallee
Kristin Diane Lavergne
Christian Keun-Woo Lee
Christopher Sun Lee
Edward Sungwon Lee
James Sungwhan Lee
Kyong Ho Lee
Po-Shun Lee
Valerie Shi-Chia Lee
Jamie Elizabeth LeVine
Stephen Alexander Lewis
Pamela Diane Liebmann
Gloria Kay Lillard
Aline Fang-Ling Lin
Ming Te Lin
Trina Lion
Albert Tachen Liou
Kristen Lomasney
Pamela F. Love
Adam L. Lowe
Kin Lun Lui
Brian Michael Lukacz
Donald Evan Lustig
Stuart Keith Lutz
Martin Trevor Hughes Lyons
Sandy S. Ma
Katrina Marie MacLeod
Steven Michael Mager
Brendan Christopher Maguire
Michael George Mahan
Richard Glade Malish
Kamala Mallik
Stacy Lynn Maltzman
Eric William Manheimer
Simone Alexander Manigault
Anne Catherine Marinovic
Hilda Maggie Marrero
Joseph Robert Marszalek
Nicholas Dean Martin
Philip Ralph Mascia
Brian Lee Massey
Sonia Mathai
Jessica Jo Maxwell
Avi Mazumdar
Mary Julia McCall
Megan Starr McCormick
Michael James McCormick
Kevin James McCrea
Joseph Francis McCullough
Patricia McGowan
Chelsea Kui McGurrin
Andrew John McLoughlin
Kerry A. McQuade
Kerri-Ann McTiernan
William Neil Mehl
Jeremy Mahnken Meilman
Adam Todd Meiselman
Jon Andrew Mellis
Jaqueline Milles
Harry Maduro Milling
James Alexander Mitchell
Steven Edward Mizrach
Timothy Michael Monahan
Kisha Marlyn Moore
Heather L. Moreland
Jeffrey Scott Morgheim
Sarah Morton

Andrew William Moss
Beverly Moy
Pinaki Mukherji
Tarun Mullick
Zia Husain Muneer
John Paul Munnich
Arthur James Myers II
Rima-Catherine Michel Nasser
Scott M. Needle
Carl Julius Nelson
Erik Douglas Newton
Jeffrey Ng
Edward Gould Niblock II
Eva Maria Nicholas
David Anthony Nicolette III
Michael A. Norman
Timothy Obregon
John Evan O'Connell
Christian Alfred Ogeneski
Ryan Milone O'Grady
Yong Oh
Albert C. Ong
Laurence M. O'Rourke
Brenda G. Ortigoza
Gregory R. Ott
Christopher Anthony Pacitti
Daniel Frederick Paige
Julie Pal
Matthew Raymond Panetta
James Patrick Pappalardo
Gerald Wayne Parham, Jr.
Jay Hong Park
Suk Won Park
Sung Eun Park
James Darryl Parker
Raymond Joseph Padiernos Paruñgao
Gabriella Marie Pasek
Arpan Ramjibhai Patel
Sapna Jagdish Patel
Tiffany Elise Patterson
William John Paukovits
Daphna Peled
Michael A. Pelzner
Kevin James Perra
Knute Christian Peterson
Tan Diem Pham
Joshua James Phillips
Karran Alexandra Phillips
Sharon Rebecca Plafker
Robert Jeffrey Plass
Gregory L. Platt
Erik Jon Plautz
Natalie Pompilio
Christopher James Post
Eric Edwards Poticha
Jeffrey Scott Pruzan
Andrew Francis Ptak
Heidi Eve Puchner
Jennifer Elizabeth Pugh
Kevin Michael Quinn
Lisa Dian Raimundo
Grace Anandhi Rajakumaran
Ramesh Ramaswamy
Laurie Ann Ramos
Bhagwan Jay Rao
Arlene Susan Rapkin
Todd Eric Ratner
Thomas E. Redburn, Jr.
Eric Baechtel Reed
Jeffrey Michael Reilly
Anthony C. Reiner
Vicente Andres Resto
Audrey Leigh Reynolds
Robert Lamar Rice
Jason Peter Riffaterre
James Francis Robb
Lyle Roberts
John Marshall Robinson
Gregory N. Rocco
Veronica Rodriguez
Antoinette Denise Rogers
Troy Larry Rohrbaugh
Christopher John Ros
Jessica Evangeline Rosenbaum
Carol Ann Rosenthal
Matthew Louis Rosin
Emily Margo Ross
John Cynric Ross
Deborah Anne Roth
Ted Matthew Roth
Meg E. Ryan
Patrick Leo Ryan II
Richard Michael Safranek
Jason Adam Sager
Ali Mohseni Sajadi
Cynthia Frances Salorio
Martine Sam
John Colby Sampson, Jr.
Lilibeth Castro Sanchez
Crystin Megan Sanders
Amy Lynn Sandusky
Kristina Karen Schake
Heather Louise Schenck
Jordan Baker Schiffer
Eric Jonathan Schimmel
Noel Aries Cristan Cambeul Schively
Lynn-Anne Marie Schow
Sharon Felice Schwartz
Laura Alison Scott
Megan Louise Searing
Russell Cleve Sexton, Jr.
Darshan Anil Shah
Paresh M. Shah
Hasan Shanawani
Rebecca Dina Shapiro
Matthew Lewis Shaps
David Jon Shaw
Karen Shaw
Christopher Thomas Shenk
Tierney Elizabeth Sherwin
Margaret J. Shim
Adrian Suehee Shin
Joel Siepierski
Anthony Hunkyun Sin
Stefan Michael Sinco
Kelly Lynn Sipe
Sadhish Kumar Siva
Kathleen Lee Slattery
Neil Allan Slenker
James Ronald Smith II
Susan Lynn Smith
Julie Juyoung Sohn
Kristin Wood Solter
Meghan Christin Sontheimer
Panayiota George Souras
Martine Elyse Spann
Emily Spencer
Piyatida Srikumpol
Sherry Tonya Stallings
Joshua Randolph Stebbins
Dyon Stefanon
Katherine Jean Stein
Michelle Dena Steindecker
Debra L. Steinsaltz
Todd Christopher Stowell
Scott Roy Strauss
Joshua Laurence Stuart
Jennifer Faith Sussal
Tracey Jean Sutcliffe
Brian Israel Swett
Nicholas Hyde Brereton Swezey
Micheal Loong-Chee Tam
Alexander O. Tamin
Cammela Renee Teel
Jainen A. Thayer
Stacy Ann Thornton
Neal Joseph Thurman
Charles Tini
Thomas Anthony Tirone
Markus Hubert Tkotz
Adam Donahue Toll
Nicóle Marie Meyer Toth
Dana Marie Trammell
Vlassis Travias
Jessica Ada Tropp
Marzio Alfonso Trotta
Jenelle Marie Troxell
Jerry Su Yao Tsai
Winston Tseng
Brian Tomio Tsuzaki
Seth Adam Turkeltaub
Nicole Yvette Twyman
Sara D. Ugarte
Patrick Louis Underwood
Kelly Ann Van Houten
Erich Ward Varnes
Mira Vayda
Monica Brooke Vermeer
Elizabeth Susan Victor
Lian Von Wantoch

Theodore Aaron Wachhaus, Jr.
Elizabeth Anne Wadsworth
Adam David Wagshul
Robert Charles Walter
Heather Lynne Waters
Anthony James Watson
Sharon Anne Weinberger
Randi Lynn Wells
Simon C.M. Whang
Deirdre Ruth Wheatley
Suzanne Lea White
Nathan Ernest Widder
Andra Jean Willhight
Diahann LeNore Williams
Eric Quenton Williams
Tracy J. Williams
Susan Gail Willis
Jeffrey M. Wills
Nicole Victoria Winfield
Myles Selig Wolf
Jeremiah Michael Wolsk
Ken Yi Wong
Michael E. Wong
Soon Bok Woo
Barry David Wood
James R. Woodruff
Spencer Elliot Worth
Shelley Wu
Stan Wu
Henry Klar Yaggi IV
Elliot V. Yasnovsky
SeWoong (Simon) Yoon
Suzy Haewon Yoon
Clifford W. Yut
Kyle Duane Zavorotny

Special Bachelors of Arts in The School of Arts and Sciences World War II Program

In order to prepare young men for military or professional services as promptly as possible during the Second World War, The Johns Hopkins University adopted the recommendation of the American Medical Association to offer an accelerated pre-medical curriculum that would prepare students for admission to medical school. Those students who participated in this program in the 1940s went on to receive medical degrees, but did not receive their bachelors diplomas, which are being granted today.

Norman Borken
Benjamin Burrows
William W. Coon
William A. Gakenheimer
Bezaleel H. Griffith
Wayne N. Jacobus
Theodore H. Kaiser
Charles H. Lithgow
Burton V. Lock
Harry P. Makel
John S. McRoberts
Wallace L. Salzman
Joseph S. Schapiro
Melvin Shulman
William G. Smith
Paul E. Soffer
Arnold I. Turtz
Alvin J. Weiner

Bachelors of Science in Biomedical Engineering in The G.W.C. Whiting School of Engineering

Maribelle Acevedo Aguinaldo
Narcisse Pascal Bichot
Steven Michael Bierer
David Michael Blair
Raymond C. Chan
Rishi Chandra
Christopher Jean Chen
Catherine Connell
Monami Das
Christine Lee Delaney
Eric Paul Dilda
Catherine Aine Doyle
Lawrence Fan
Todd Andrew Fasullo
Alfred Francis Faust
Ailsa Thérèse Cecile Fitzwilliam
Elizabeth Ann Fox
Gwendolyn Judith Garrison
Michael Edward Gilligan
Stephanie April Hayes
Jason Anthony Heth
Sachiko Hirosue
Sandeep Kumar Jain
Eric Tungkai Lee
Alexia Anne Lennon
Hannah Joy Lim
Arthur Kong-Chow Mark
Pankaj Merchia
Darren Leo Miller
Barclay Morrison III
Todd William Murray
Shaun Patrick O'Donnell
Ruth Shada Ochia
Trang Mai Pham
Hanna Stella Rodriguez
Glenn Raymond Stryjewski
Sunil James Thambidurai
John T. Tsai
John Hsiang-Yeou Wang
David Armin Weiland
Paul John Wojnicki
Ted P. Yang

Bachelors of Science in Chemical Engineering in The G.W.C. Whiting School of Engineering

Crist Joseph Clark
Andrew Bradley Donnalley
Matthew Richard Oberholzer
Raquel Marie Silverberg
Gregory Mark Stella
David Earl Strong
Kristine Melynda Walker
Jeffrey Paul Wolbach

Bachelors of Science in Civil Engineering in The G.W.C. Whiting School of Engineering

Rebecca Louise Anderson
Ingrid Bon
Mark Patrick Gorius
Janelle Katina Graham
Brian Leroy Hepting
Jason David Mennella
Joseph Esteban Rodriguez
Jennifer Melissa Rowley
William David Sauers, Jr.
Raffaele Scaduto-Mendola
Charles Henry Trice

Bachelors of Science in Computer Science in The G.W.C. Whiting School of Engineering

Amy Ann Arthur
Cliff Ko Chen
Neil Wayne Cohen
Melanie Dorn
Elisabeth Kirsten Kornya
Jean Shioh Lin
Chad Preston Mynhier

Leanne Elizabeth Phillips
Scott C. Rompala
Erin Emi Sasaki
Sandeep Kishan Singhal
Evan Heath Somerstein
Suraj C. Surendrakumar
Sterling Blake Williams

Bachelors of Science in Electrical Engineering in The G.W.C. Whiting School of Engineering

Marilou Acevedo Aguinaldo
Brian Bankler
James Steven Blessing
Craig Steven Breitenbach
Penny Elizabeth Breyer
Andrew F. Cash
Chih-Chieh Johnny Chen
Wendy Wai-Wan Chiu
Douglas Hafner Eacker
Francois Pierre Erasmus
Michael Edward Fennell
Lee Taylor Gibson
Daniel Mark Goldfisher
Andrew Wallace Greenwood
Andrew Eli Grumet
John McFarland Harris
Sugene Kim
Elizabeth Ann Lipnick
Brian Douglas Maso
Charlton Scott Millard
Thomas Owen Monaco
Jay Edward Simons
Warren Willits Smith
Thomas Frederick Steck
Howard Gregory Stephan
Matthew B. Stevenson
Anthony John Stratakos
Stephen Kuong Io Tai
Eugene M. Tang
Everett Tom
Lowell Wesley Wheeler

Bachelors of Science in Materials Science and Engineering in The G.W.C. Whiting School of Engineering

Anthony Yung-Chih Chang
Kushlan Nagodawithana
Stefan Karl Schmiedberg
Mark William West

Bachelors of Science in Mathematical Sciences in The G.W.C. Whiting School of Engineering

Victoria Lynn Cox
Brian S. Goldberg
John David Higgins
Jean M. Horner
Amy Beth Prengaman
James Alex Rogers
Reuben J. Settergren
Brian Clay Tarver

Bachelors of Science in Mechanical Engineering in The G.W.C. Whiting School of Engineering

William Robert Bell
Yu Lun Chen
Laurence Hojin Chun
Edwin D. Dair
Eric Roy Eller
Charles Ernest Engstrom
Matthew David Fisher
Richard Owen Fowler
Eduardo Alberto Gross
Lars Hondorf
Jeffrey John Howell
Victor Wei-Sheng Lu
Richard Spaulding Millhiser
John Gustaf Murdock
Todd Edward Oliver
Randall John Reich
Rachel Marie Renick
David Day Wilkinson
Scott Andrew Wilson

Bachelors of Arts in The G.W.C. Whiting School of Engineering

Domingo Bruno Alvear
Scott Edward Borst
Christine DiAnne Carey
Brian Keith Dankis
Rajesh K. Kapur
Hyuk Michael Kim
Jonathan Lin
Jeffrey Jon McQuigg
Katrin Clair McCullough
Joseph Ross Ney, Jr.
Nana Nicole Nkrumah
Sean P. Thomas
Mary Kristin Voellinger
Brenda Helen Yoo

Bachelors of Civil Engineering in The G.W.C. Whiting School of Engineering

Richard Joseph Butts
E. Richard Feustle, Jr.
Philip J. Mashuda; B.S. Point Park College, 1984.
Richard Sungun Yim; B.S. University of Delaware, 1985.

Bachelors of Electrical Engineering in The G.W.C. Whiting School of Engineering

Charles Joseph Bethke, Sr.
Michael Lee Brown
Edward J. Carmen
Amon Seno Ducao; B.S. Colegio de San Jose Recoletos, 1969.
Michael John Eurice
Eric Froehlich
Robert John Gull
Steven Michael Jones
John Eugene Kotrosa, Jr.
Dean Michael LaBarbera
Carl Francis McKenzie
Robert George Nestruck
Timothy P. Notley
Thomas Charles Rainer, Jr.
Edwin George Reid, Jr.
David Wayne Sohl
Meki John Toalepai
Mark Allan Vivell

Bachelors of Mechanical Engineering in The G.W.C. Whiting School of Engineering

Wayne Douglas Camlin
Alfred Martino Joseph Ensey
Brad Milton Fye
Charles Lee Parsons III
Dennis Joseph Restauro, Sr.
Kevin Mark Rice
Frederick Carl Sebly
Michael Brian Sirak
Steven Richard Vernon

Performer's Certificates in The Peabody Conservatory of Music

Johanna Francesca Andrews. Oboe.
Robert Henry Gerstmyer, Jr. Trumpet.
Lorena A. Gonzalez Echazu. Violin.
Ramsey Nathaniel Husser. Violin.
Leigh John Oben. Guitar.
Florin A. Parvulescu. Violin.
Frank Alex Schmauk. Trumpet.
Yeh Shen. Violin.
Darel Asher Stark. Violin.
Stephen R. Turley. Guitar.

Bachelors of Music in The Peabody Conservatory of Music

Nancy Crosthwait Allen. Voice.
Carl L. Anderson. Trumpet.
Allison Kirsten Bailey. Violin.
Julie Suzanne Baker. Violin.
Richard Charles Barber. Double Bass.
Mona T. Berland. Piano.
David Alan Brensilver. Percussion.
Kristin Lynn Brooks. Flute.
Lucy Shin-Wen Chang. Flute and Piano.
Tzu-An Annie Chang. Viola.
Hsiu-Ju Chien. Piano.
So yong Choi. Piano
Sun Myung Choi. Piano.
Alisa Jesslyn Cohan. Guitar.
Patrick J. Droppleman. Organ.
Kyle C. Engler. Voice.
Melina Gajger. Violin.
David Yi-Loong Gan. Violin and Recording Arts and Sciences.
Robert Henry Gerstmyer, Jr. Music Education.
Scott Robert Goriup. Guitar.
Bernd Gottinger. Recording Arts and Sciences.
Elissa Ann Green. Flute.
Shelley Viola Greene. Harp.
Slawomir Grenda. Double Bass.
Darren Raymond Guzzone. Recording Arts and Sciences.
Sharon Elizabeth Hack. Percussion.
Matthew Christopher Hagle. Piano.
Katie Slayback Hale. Horn.
Hou Qing. Violin.
John F. Hungerford-Shirley. Composition.
Andrea Louisa Hurt. Flute.
Andrea Elizabeth Jackson-Gewirtz. Voice and Recording Arts and Sciences.
Sumi Kay. Piano.
Juliann Lenore Klopotic. Violin.
James Patrick Kuhl. Trumpet.
Marianne Rebecca LaCrosse. Viola.
Hye-Min Lee. Piano.
Lisa Marie Lee. Viola.
Caren Deborah Levine. Piano.
Li Qing. Violin.
Mark Edward Lortz. Percussion.
Jason L. Love. Violoncello.
William J. McQuay, Jr. Recording Arts and Sciences.
Naoko Niinobe. Piano.
Carolyn Hyun-Ha Oh. Flute.
Evan Forrest Olcott. Saxophone.
Iris Annette Perry. Piano.
Frank Alex Schmauk. Music Education.
Lisa Shiota. Clarinet.
Ci-Ying Sun. Piano.
Robert Glenn Tucker. Percussion.
Brenda Ann Victoria Waters. Clarinet.
Sara Moselle Watkin. Music Education.
Tara Levings Yaney. Flute.
Jae Won Yoon. Voice.
Sean Mitchell Young. Voice.

Bachelors of Science School of Nursing

Doris N. Addo
Andrea Michele Batelli
Connie Taylor Beardsley
Carlene A. Beasley
Michelle Lynn Briggs
Martha Ann Ciattei
Joan Marie Colwell
Joyce Patricia Dugan
Marianne Cecilia Frederick
Jennifer Johnston Geib
Carla Field Guidrey
Kimberly Nanette Harbold
Donna Marie Hurley
Vanessa Marie Kraft
Seh Yir Lee
Jonathon James Lyon
Rose Marie Moran
Julie Michelle Moyer
Kevin John O'Brien, R.N.
Kathryn Derek Owellen
Maria Joao Condinho Ponte
Deborah Charlotte Spicer
Rosemarie Elizabeth Turgott
Mary Catherine Warthen
Candace Young

Bachelors of Science in The School of Nursing, Accelerated Programs Class of 1991

Kristin Kyle Arch
Michele Marie Ardigo
Mikhalla Barg
Sandra C.M. Barnes-Haskett
Mary Lynn Barnum
Steven John Baum
James Martin Bittick
Molly Foote Carr
Laurie Ann Cerniglia
Lisa Michele Reece Collier
Kathleen Marie Cranford
Earl Thomas Dakan
Tuncay Halil Danizler
Julia E. Doyle
George L. Dyer III
Rebecca Susan Fishel
Susan Fradkin
Cathy Renee French-Bennett
Lara Renée Gallagher
Nora Mary Geissler
Eric Lazarus Gilgenast
Melissa Mayes Gillespie
Elizabeth Welty Good
Lisa Barbara Grauman
Julie Ann Hall
Lisa Kaye Harvatine
Stuart Marc Hendin
Sally Gaintner Hess
Linda Jane Horwath
Jo Ellen Hueskin
Jennifer Marie Hughes
Barbara Mary Keltz
Leslie Watts Klinefelter
Shellye Lynn Kozak
Sherry Yvette Lamons
Dara Ann Lawrence
Jennifer Anny Lietman
Alvina Maria Long
Sheri B. Lutz
Margaret Macdonald
John James Marron
Mimi Patterson Mays
Catherine Shurman Miller
Daphne Morgan
Jeffrey Raymond Mroz
Kathleen B. O'Brien
Kathleen B. O'Haver
Valla Walker Peka
Amy Lucille Rial
Annie Helen Richardson
Carmen Maria Roig
Thomasin S. Rouner
Rene B. Rubinstein

Elizabeth Ann Shearer
Margaret Elizabeth Siebeneichen
James Earnest Skinner
Amy Louise Taylor
Jean Edwards Thomas
Cynthia Ann Tucker
Marcella Morinich Tuveson
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Associates of Science in The School of Continuing Studies

David Wilson Aylor
Gary A. Eshleman
David Alan Haber
Edward Nelson Henicle
Kevin Ulysses Johnson
Brian Joseph Krug
Gregory Mitchell Liposchak
Neil Edward Moore
Peter Marek Pazura
Deborah M. Talley
Peggy Sue Walter

Bachelors of Liberal Arts in The School of Continuing Studies

Marc Eric Feldman
Maureen B. Joyce
Janet E. Sanders
Martha Mary Seay
Millard Evelyn Tydings
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Bachelors of Science in The School of Continuing Studies

David Ross Allen
Steven Timothy Mario Bavett
Steven Michael Cieri
Nancy Murray Cook
Michael Vincent Cottrell
Geoffrey William Easterling
Jennifer Ruth Eichorn
Steven James Glock
Patricia Ann Grothe
Chuan-Fu Hung
Kenneth Wayne Iwanowski
Franklin B. Katina; B.T.L. Ner Israel Rabbinical College, 1991.
Vincent V. Kavina
Patricia H. Lopez
Lisa Madden
James L. Mattheu
Margaret Anne McGannon
Cheryl Anthony McLaughlin
Lyn Nance Mitchell
Marie Cecile Moineau
Michael Nelson Netzer
Carol Catherine Parks
Barbara Ambrose Pawloski
Helen Frances Reilly
Lisa Ann Reitz
Marcia Jean Riley
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Barry D. Sendrovic
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Dianne Renee Thompson
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Margaret Louise Fitzpatrick, *B.S.N., Creighton University, 1986.*

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Anna-Gyda Gunnlaugsdottir, *B.S.N., University of Iceland, 1982.* Pain in HIV-Infected Individuals: Prevalence, Intensity, Quality, Location, and Pharmacologic Management

Jack Edward Holdford, *B.S.N., Louisiana State University, 1988.* A Pilot Study: Using Electrical Skin Resistance to Measure Skin Changes Associated with Hand Washing

Carol L. Keiser, *B.S.N., Pennsylvania State University, 1987.* Nursing Salary Cost Comparison: Professional Practice Model vs. Traditional Managed Units

Beverly Raab Lang, *B.S.N., The University of Maryland at Baltimore, 1985.* Characteristics of AICD Patients Participating in a Support Group

Kathleen Donovan Paolini, *B.S.N., University of Illinois, 1972.*

Stephanie Storto Poe, *B.S.N., Allentown College of St. Francis de Sales, 1986.* Infection Prevention Practices on Bone Marrow Transplant Units

Laura Carton Sessions, *A.A., Anne Arundle Community College, 1983. B.A., The University of Maryland at College Park, 1980.*

Mary Elizabeth Tlasek-Wolfson, *B.S.N., College of Notre Dame, 1987.*

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Dirk Bönker. *History.* Building the Battlefleet, 1893–1901: A Study of the U.S. Political Process.

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Kristen Leigh Dillon; *B.A. Colorado College, 1988. Political Science.* Environmental Mediation, Institutionalization, and Statewide Offices of Dispute Resolution: A Critique of Three Statewide Offices from an Environmental Perspective.

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Lowell Alexander Francis. *Writing Seminars.* Fillers, Philosophies, Phasers and Cartoons That Smoke.

Stephen Paul Frazier. *Physics and Astronomy.*

Ellen Meryl Freeberg; *B.A. Vassar College, 1985. Political Science.* Stability, Harmony, and the Question of Moral Diversity in a Neo-Kantian Political Theory.

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Thomas Hartford Kern. *History.* Crackin' and Factin': The Public Life of Malcolm X, March 1964–February 1965.

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Frank Lansky. *Political Science.* Jewry Behind the Iron Curtain: Its Importance as A Foreign Policy Factor in the Alienation of Israel and the Soviet Union.

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Robert Neil McLay; *B.A. The Johns Hopkins University, 1991. Writing Seminars.* Omega: Essays on Aging, Senescence, and Life Span.

Jason Boyce McPhate. *Physics and Astronomy.*

Anna George Meek. *Writing Seminars. Fibonacci's Garden.*

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Ivan Israel Singer. *Chemistry.* The Synthetic and Phenomenological Design of Molecular Devices.

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Brian Lee Vant-Hull. *Physics and Astronomy.*

Zoran Vasic. *Political Science.* The Principle of National Self-Determination in Wilsonian Foreign Policy, 1915–1921.

Charles F. Ward. *Philosophy.*

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Doctors of Musical Arts
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Phillip Chandler Clarke; *B.M. Peabody Conservatory of Music, 1965; M.M. Peabody Conservatory of Music, 1966. Piano.* The Chamber Music of Artur Schnabel: a Discussion of Selected Works for Piano, Voice, and String Instruments.

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Environmental Health Sciences. Work Environment, Cognitive Appraisal, Social Support and Occupational Stress.

Clifford Laurence Eastman; *B.A. Reed College, 1980. Environmental Health Sciences. In Vitro Cytotoxicity of 3-Hydroxykynurenine: Implications for Neonatal Vitamin B6 Deficiency.*

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Elizabeth Anne Jordan; *B.A. Wake Forest University, 1985. Epidemiology. Maternal Hematological Status and Risk of Preterm Delivery.*

Hee-Soon Juon; *B.S. Seoul National University, 1980; M.S. Boston University, 1984. Health Policy and Management. The Effects of School Failure on Delinquency and Psychological Distress: A Longitudinal Study of Korean Adolescents.*

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Karen Lynn Menge; *B.S. University of California at Davis, 1985. Biochemistry. Mechanistic Studies on the* E. coli *recA Protein.*

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Alfred Mario Sciuto; *B.S. Towson State University, 1972; M.S., 1979. Environmental Health Sciences. Comparison of Intratracheal Treatment Versus Intravascular Treatment of Phosgene Poisoning: Role of cAMP and Glutathione.*

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Mark Richard Somerfield; *B.A. Millersville University of Pennsylvania, 1984; M.S. Villanova University, 1987. Environmental Health Sciences. Situational Determinants of Coping in Cancer Survivors.*

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Tsung-Shan Tsou; *B.A. National Taiwan University, 1983; M.S. National Central University, 1987. Biostatistics. Robust Likelihoods.*

Ajay Verma; *B.S. University of Maryland, 1984. Environmental Health Sciences. Heterogeniety of Rat Brain Calcium Pools.*

Benjamin Wizel-Cohen; *B.S. Universidad San Carlos de Guatemala, 1985; B.A., 1985. Immunology and Infectious Diseases. Identification of a Novel Epitope for* Plasmodium Falciparum *Transmission-Blocking Immunity.*

Hui-Lin Wu; *B.S. Soochow University, 1984; M.S. National Taiwan University, 1986; M.P.H. The Johns Hopkins University, 1988. Immunology and Infectious Diseases. Characterization of Hepatitis B Virus (HBV) Transcription in Transfected Cells, with Emphasis on the Doubly Spliced RNA and X RNA.*

Lisa Zeise; *B.S. University of Maryland, 1982; M.S. University of Delaware, 1985. Environmental Health Sciences. Bioanalytical Studies of Melanins.*

Wei Zheng; *M.D. Shanghai Medical University, 1983; M.P.H., 1986. Epidemiology. The Role of Diet and Nutrients in the Development of Oral and Pharyngeal Cancer.*

Doctor of Philosophy
The Paul H. Nitze School of
Advanced International Studies

Edward N. Krapels, *B.A. University of North Carolina, 1970; M.A. University of Chicago, 1973.* The Commanding Heights of Oil: Control Over the International Oil Market.

Jonathan Palmer Owen, *B.A. Sonoma State University, 1970; M.P.A. The George Washington University, 1971; M.I.P.P. The Johns Hopkins University S.A.I.S. 1987.* Akram Hourani: A Study of Syrian Politics 1943–1954.

Moiara de Moraes Ruehsen, *B.A. The Johns Hopkins University, 1985; M.H.S. 1986.* The Advent of American Hegemony in the Persian Gulf, 1953–1956.

James Cox Voorhees, *B.A. The George Washington University, 1974; M.A. 1978.* Soviet Policy Toward the Conflict Between South Africa and Angola in the 1980s.

Doctors of Medicine in The School of Medicine

Jill Irene Allbritton, *B.S., Louisiana State University, 1987.*

Lanetta Anderson, *B.A., Lake Forest College, 1988.*

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Jonathan Jay Baskin, *B.S., Tufts University, 1988.*

Valerie Anne Beck, *B.S., Georgetown University, 1987.*

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Amy Yamei Chen, *B.A., University of Texas at Austin, 1988.*

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Steven Douglas Smith, *B.A., Brooklyn College, 1988.*

Thomas Allen Sneed, Jr., *A.B., Harvard College, 1988.*

Paul Joseph St. Jacques, *B.A., Clark University, 1988.*

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William David Sullivan, *B.S, B.A., University of Southern Mississippi, 1987.*

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Eric Taylor, Jr., *A.B., University of Detroit, 1987.*

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David Darrell Vaughn, *B.S., Rice University, 1986; M.S., Stanford University, 1988.*

Joann Villamarin, *B.A., Swarthmore College, 1986.*

Stephen Alan Villano, *B.S., Fairfield University, 1988.*

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David Edward Weng, *A.B., Harvard College, 1984.*

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Doctors of Philosophy in The School of Medicine

Colette Marie José ap Rhys, *B.Sc., University College of North Wales, 1975; M.S., University of Marylaud, Baltimore County, 1983. Pharmacology and Molecular Sciences.* Transactivation by the Herpes Simplex Virion Component, VP16: cis- and trans-acting Requirements.

John Patrick Barnard, *B.A., University of California (Berkeley), 1983. Biochemistry, Cellular and Molecular Biology Training Program - Biological Chemistry.* The Pyruvate Kinase and Pyruvate Transporter of Trypanosoma brucei: Developmental Aspects and Potential as Targets for Drug Design.

Karen B. Chapman, *B.S., Cornell University, 1987. Biochemistry, Cellular and Molecular Biology Training Program—Molecular Biology and Genetics.* Host Factors Involved in Transposition of Tyl in Saccharomyces cerevisiae.

Susan Dunham Demo, *B.S., Simmons College, 1984; M.S., Syracuse University, 1986. Neuroscience.* Permeant Ion Effects on the Gating of Two Potassium Selective Ion Channels.

Susan Marie Dymecki, *B.S.E., University of Pennsylvania, 1984; M.S.E., 1985. Biochemistry, Cellular and Molecular Biology Training Program - Molecular Biology and Genetics.* The Identification and Characterization of the B-Lympoid Tyrosine Kinase Gene, *blk.*

Majid Fotuhi, *B.S., Concordia University, 1987. Neuroscience.* Organization of Cortical Input to the Striatum in the Primate Brain and Relation to Signal Transduction Mechanisms.

Kenan Christopher Garcia, *B.S. Tulane University, 1984. Biochemistry, Cellular and Molecular Biology Training Program—Biophysics.* Structural Studies of Hormone Recognition: Anti-Idiotypic Recognition in Angiotensin II-Defined Idiotypic Series.

Robert Howard Getzenberg, *B.A., The State University of New Jersey-Rutgers, 1987. Biochemistry, Cellular and Molecular Biology Training Program—Pharmacology and Molecular Sciences.* Tissue Specific DNA Organization and the Nuclear Matrix: Normal and Cancer Cells.

Hannah Moriah Grausz, *B.A., The University of Chicago, 1986. Cell Biology and Anatomy.* Growth of the Human Perinatal Craniofacial Skeleton Characterized in Three Dimensions.

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Lisa Joan Keefe, *A.B., Vassar College, 1983. Biochemistry, Cellular and Molecular Biology Training Program—Biophysics.* I. Crystal Structures of Two Insertion Mutants of *Staphylococcal* Nuclease: The Effects of Inserted Residues on Secondary Structure. II. Preliminary Crystallographic Analysis of the Novel DNA-Binding Protein *Salmonella* Phage P22 Arc Repressor.

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Gerard A. Lutty, *B.A., Catholic University, 1970; M.A., 1976. Biochemistry, Cellular and Molecular Biology Training Program—Biological Chemistry.* Characterization and Purification of an Inhibitor of Endothelial Cell Proliferation from Normal Adult Vitreous Humour.

Robert J. Mourey, *B.S., University of Wisconsin-Madison, 1985. Pharmacology and Molecular Sciences.* Molecular Properties of Inositol 1,4,5-Trisphosphate Receptors: Purification from Smooth Muscle, Mapping the Ligand Binding Site and Identification of a Novel Phosphoinositide-Linked Indoleamine Receptor from Brain.

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Sanjay Suresh Parikh, *B.Tech., Indian Institute of Technology, 1985; M.S., Case Western Reserve University, 1987. Biomedical Engineering.* Effects of Load on the Contractile Behavior of Isolated Cardiac Myocytes of the Frog.

M. Scot Roberts, *B.S., M.S., Illinois State University, 1980; 1985. Pharmacology and Molecular Sciences.* Studies Into the Mechanism of HSV-1 IE175 Autoregulation.

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Joseph Stephen Schoeniger, *B.S., M.S., Yale University, 1983. Biochemistry, Cellular and Molecular Biology Training Program—Biological Chemistry.* Theory and Equipment Design for Nuclear Magnetic Resonance Microscopy and its Application to the Study of Water Properties in Isolated Neurons from the Gastropod Aplysia Californica.

Waris Ali Shahi, *B.Sc., University of Punjab, 1976; M.Sc., 1978. Biochemistry, Cellular and Molecular Biology Training Program—Pharmacology and Molecular Sciences.* Structural Analysis of Epstein-Barr Virus Nuclear Antigen (EBNA-1) and its Interaction with the Origin of Latent Replication.

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Donna-Bea Tillman, *B.S., Tulane University, 1985. Biomedical Engineering.* Heat Response Properties of Unmyelinated Nociceptors.

Rong Wang, *B.S., Beijing Medical College, 1982. Biochemistry, Cellular and Molecular Biology Training Program—Pharmacology and Molecular Sciences.* Structural Characterization of Proteins and Anionic Biopolymers by Desorption-Ionization Mass Spectrometry.

Xiaoqin Wang, *B.S., Sichuan University, 1984; M.S.E., University of Michigan, Ann Arbor, 1986. Biomedical Engineering. Neural Encoding of Single-Formant Stimuli in the Auditory-Nerve and Anteroventral Cochlear Nucleus of the Cat.*

David E. Weng, *A.B., Harvard University, 1984. Biochemistry, Cellular and Molecular Biology Training Program—Physiology.* Analysis of Gene Expression During Mouse Early Development.

Marilyn Lang West, *A.B., University of California (Berkeley), 1983. Biochemistry, Cellular and Molecular Biology Training Program—Molecular Biology and Genetics.* A Mutational Analysis of the Carboxyl-terminal Domain of the RNA Polymerase II Largest Subunit.

Doctors of Philosophy in The G.W.C. Whiting School of Engineering

Petar Arsenovic; *B.A. The Johns Hopkins University, 1984; M.S. University of Rochester, 1985. Materials Science and Engineering.* Non-Linear Characterization of Graphite Fibers.

Shekar Ganeshan Ayyar; *M.S.E. The Johns Hopkins University, 1989. Electrical and Computer Engineering.* Modeling and Characterization of Gallium Arsenide MESFETs.

Henry Edgar Cardwell; *B.S. University of Virginia, 1986. Geography and Environmental Engineering.* Decision Models to Incorporate Uncertainty and Variable Treatment Strategies in Water Quality Management.

Onn Chan; *B.S. National University of Singapore, 1984. Mathmatical Sciences.* The Grassmann Manifold and Statistics.

Jie Chen; *M.A. The Johns Hopkins University, 1987; M.S.E., 1989. Electrical and Compnter Engineering.* Acausal Stochastic Process Models: Structural Properties and Signal Processing.

Gene Andrew Danko; *B.A. The Johns Hopkins University, 1980. Materials Science and Engineering.* Rapid Silicon Dioxide Film Formation on Clean Silicon Surfaces.

Michael Joseph Ehrlich; *B.S. The Johns Hopkins University, 1987; M.S.E., 1989. Materials Science and Engineering.* An Investigation of the Shock Front Generated by Detonation of Single Particle Explosives Using a Novel System for High-Speed Time-Resolved Holography.

Steven Adam Gabriel; *B.A. Middlebnry College, 1981; M.S. Stanford University, 1984; M.A. The Johns Hopkins University, 1989. Mathematical Sciences.* Geography and environmental Engineering. Algorithms for the Nonlinear Complementarity Problem: The NE/SQP Method and Extensions.

Kathy L. Godtfredsen; *B.S. University of Washington, 1987; M.A. The Johns Hopkins University, 1989. Geography and Environmental Engineering.* Release of MnO_2-Bound Co,Ni, and Cu by Acidification, Competitive Sorption, Complexation, and Reductive Dissolution.

Indranil Goswami. *Civil Engineering.* Vortex-Induced Vibration of Circular Cylinders.

Chunlei L. Guo; *B.S. Tsinghua University, 1986; M.S.E. The Johns Hopkins University, 1990. Electrical and Compnter Engineering.* Linear and Nonlinear Optical and Electro-Optic Properties of Asymmetric Quantum Wells.

Anna Margaret Hackenbracht. *Geography and Environmental Engineering.* A Historical and Political Analysis of the Reclamation Reform Act of 1982.

Cheng-Hung Hung; *B.E. Chnng-Yan Christian University, Taiwan, 1979; M.S.E. National Taiwan University, 1981. Chemical Engineering.* Formation of Ceramic Oxide Powders in Flames.

Vinod Kamath; *B.Tech. Indian Institnte of Technology, 1985. Mechanical Engineering.* A numerical study of nonlinear gas bubble oscillations.

Joseph Walter Krynicki; *B.S. The Johns Hopkins University, 1987; M.S.E., 1990. Materials Science and Engineering.* Non-destructive Characterization of Ceramic Matrix Composites.

John Francis Kutcher, Jr.; *B.S. The Johns Hopkins University, 1986. Compnter Science.* Coordinated Motion Planning of Planar Linkages.

Timothy James Langan; *M.S.E. The Johns Hopkins University, 1990. Materials Science and Engineering.* Environmentally Assisted Cracking of Al-Li-Cu Alloys.

Douglas Arthur Lawrence; *B.S. Lehigh University, 1983; M.S.E. The Johns Hopkins University, 1988. Electrical and Computer Engineering.* Analysis and Design of Nonlinear Control Systems Using Linearization Methods.

Greg Howard Lindsey; *B.U.P. University of Illinois, 1977; M.A. The Johns Hopkins University, 1989. Geography and Environmental Engineering.* An Experiment In Contingent Valuation: Willingness to Pay for Stormwater Management.

Lee Smith Magness; *B.E.S. The Johns Hopkins University, 1979. Materials Science and Engineering.* A Phenomenological Investigation of the Behavior of High-Density Materials Under the High Pressure, High Strain Rate Loading Environment of Ballistic Impact.

Alexander Andrew McPhail; *B.S. Portland State University, 1985. Geography and Environmental Engineering.* Tunis and Rabat Water Demand Study.

Melchior Albert Meilchen. *Chemical Engineering.* Thermodynamics of Copolymer Solutions at High Pressures.

Dennis Iligan Merino; *B.S. University of The Philippines, 1986; M.S.E. The Johns Hopkins University, 1990. Mathematical Sciences.* Topics In Matrix Analysis.

William Henry Prosser; *B.S. College of William and Mary, 1984; M.S.E. The Johns Hopkins University, 1987. Materials Science and Engineering.* The Propagation Characteristics of the Plate Modes of Acoustic Emission Waves in Thin Aluminum Plates and Thin Graphite/Epoxy Composite Plates and Tubes.

Michael Lloyd Radomsky; *B.S. Rose-Hnlman Institnte of Technology, 1987. Chemical Engineering.* Polymers for the Controlled Release of Antibodies to Mucus Epithelia.

Leslie Francis Roberts; *B.S. St. Lawrence University, 1983. Geography and Enviromnental Engineering.* The Development of a Source Specific Fecal Tracer: Measuring Fecal Transmission in a Peruvian Shanty Town.

Jolanta Iwona Rosemeier; *Diploma, Academy of Mining and Metallnrgy of Krakow, Poland, 1983. Materials Science and Engineering.* Single Element 2-Dimensional Acousto-Optic Deflectors Design, Fabrication and Implementation.

Richard Noble Schicho; *B.S. Dnke University, 1979. Chemical Engineering.* Bioenergetic Studies of Sulfur Reduction in the Hyperthermophilic Archaebacteria Pyrodictium brockii and Pyrococcus furiosus.

Todd Evan Schlesinger; *B.M.E. The Johns Hopkins University, 1987; M.S.E., 1990. Materials Science and Engineering.* Mechanical Properties of Granular Thin Films and Kinetics of Silicide Formation in Chromium-Amorphous Silicon Thin Films.

Gregory Bruce Tait; *B.A. Amherst College, 1982; M.S. University of Maryland, 1984. Electrical and Computer Engineering.* Electron Transport in Rectifying Semiconductor Alloy Ramp Hetero-structures.

Alba Torrents; *M.A. The Johns Hopkins University, 1989. Geography and Environmental Engineering.* Hydrolysis of Organic Esters at the Mineral/Water Interface.

Robert Lee Tregoning; *B.S. University of Maryland, 1987; M.S.E. The Johns Hopkins University, 1990. Mechanical Engineering.* The Influence of Geometrical Constraint on Cyclic, Elastoplastic, Notch Root Behavior and Fatigue Microcrack Initiation.

John Mack Winter, Jr.; *B.S. Massachusetts Institnte of Technology, 1957; M.S.E. The Johns Hopkins University, 1967. Materials Science and Engineering.* White Beam Transmission Topography of Single Crystal Gallium Arsenide.

Che-Hua Yang; *B.S. National Taiwan University, 1984; M.S.E. The Johns Hopkins University, 1990. Mechanical Engineering.*

Measurements and Predictions of Cyclic Biaxial Elastoplastic Behavior at Notch Roots.

Yuanyuan Yang; *B.S. Tsinghua University, 1982; M.S., 1984; M.S.E. The Johns Hopkins University, 1990. Computer Science.* On Broadcast Switching Networks.

Zili Zhang; *M.A. The Johns Hopkins University, 1985. Materials Science and Engineering.* Use of X-Ray Absorption Techniques to Study Passive Films on Alloy Surfaces.

Doctors of Philosophy

in The School of Arts and Sciences

Gabrielle Abramson; *B.S. Georgetown University, 1983; M.A. The Johns Hopkins University, 1986. Mathematics.* A models theorem for multi-categorical realizations.

Ather Maqsood Ahmed; *B.A. University of the Punjab, 1975; M.S. Quaid-i-Azam University, 1979; M.A. The Johns Hopkins University, 1990. Economics.* Migration, Earnings and Fertility in Pakistan: A Simultaneous Model Approach.

Rosa Maria Barboza de Araujo; *Certificate, Pontifical Catholic University of Rio de Janeiro, 1970; M.A. University of Paris, 1974; M.A. The Johns Hopkins University, 1987. History.* Republican Rio: City and Family, 1890–1920.

David John Baker; *B.A. Calvin College, 1979; M.A. The Johns Hopkins University, 1983. English.* Who Talks of My Nation?: Colonialist Representation in Shakespeare and Spenser.

Jianzhong Bao; *M.A. The Johns Hopkins University, 1988. Physics and Astronomy.* A Study of the Polarization and Decay of the Tau Lepton at L3.

Sarah Frances Begus; *B.A. Wells College, 1964; M.A. The Johns Hopkins University, 1987. Political Science.* Identity, Politics and Sexual Subjectivities.

William Jeffrey Bolster; *B.A. Trinity College, 1976; M.A. Brown University, 1984; M.A. The Johns Hopkins University, 1988. History.* African-American Seamen: Race, Seafaring Work, and Atlantic Maritime Culture, 1750–1860.

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